1625 Broadway Suite 2200 Denver, CO 80202



## RECEIVED

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Enforcement and Compliance
Assurance Division

Tel: 303.228.4000 Fax: 303.228.4280 www.nobleenergyinc.com

October 08, 2019

Administrator
Colorado Department of Public Health and Environment
Air Pollution Control Division
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Alexis North 8ENF-AT U.S. EPA Region 8 1595 Wynkoop Street Mailcode: R08 Denver, Colorado 80202-1129

RE: NSPS OOOOa Annual Report

Reporting Period: August 2, 2018 through August 1, 2019

Noble Energy Inc.

To Alexis North:

As required by 40 CFR §60.5420a(b) of the federal New Source Performance Standards Subpart OOOOa - Standards of Performance for Crude Oil and Natural Gas Facilities For Which Construction, Modification or Reconstruction Commenced After September 18, 2015 (NSPS OOOOa), Noble Energy Inc. (Noble Energy) hereby submits the Annual Report for its onshore production assets located in Weld County, Colorado covering the reporting period of August 2, 2018 through August 1, 2019.

Please find attached a signed certification and Annual Report. No deviations are reported in this submission. Please do not hesitate to contact me at 303-228-4089 or susan.gomez@nblenergy.com if you should have any questions.

Sincerely,



Susan Gomez

EHSR Manager Noble Energy Inc.

Cc:

Michael Warren, Noble Energy Inc. Rob Garren, Noble Energy Inc. Mo Montoya, Noble Energy Mark Patteson, Noble Energy Inc.

## I. General Information (§60.5420(b)(1))

| Company Name:   | Noble Energy, Inc.     |
|-----------------|------------------------|
| Address:        | 1625 Broadway          |
|                 | Denver, Colorado 80202 |
| Assets Covered: | Sites in Weld County   |

|   | Included in  |
|---|--------------|
| Affected Facilities:  | this Report? |
| Gas wells [§60.5365a(a)]  | Yes          |
| Centrifugal compressors [§60.5365a(b)]  | No           |
| Reciprocating compressors [§60.5365a(c)]  | No           |
| Pneumatic controllers [§60.5365a(d)]  | No           |
| Storage vessels [§60.5365a(e)]  | No           |
| The group of all equipment within a process unit at onshore natural gas processing plant [§60.5365a(f)] | No           |
| Sweetening units at onshore natural gas processing plants [§60.5365a(g)]                                | No           |
| Each pneumatic pump [§60.5365a(h)]  | No           |
| Collection of fugitive emissions components at a well site [§60.5365a(i)]                               | Yes          |
| Collection of fugitive emissions components at a compressor station [§60.5365a(j)]                      | No           |

| Reporting Period Start: | 08/02/2018 |
|-------------------------|------------|
| Reporting Period End:   | 08/01/2019 |

Responsible Official Certification Statement

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

| Mr. Mark Patteson            |                   | (b) (6)                        |           |
|------------------------------|-------------------|--------------------------------|-----------|
| Vice President Operations    | DJ Basin          |                                | 10/1/2019 |
| Responsible Official Name an | d Title (Printed) | Responsible Official Signature | Date      |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Respondencies Commenced After September 18, 2015 - 60.5403e(b) Annual Report For each affected facility, on owner or operator must include the information specified in paragraphs (b)(3)(i) through (b4 of this section is all annual reports

The anterior (1) many to each field individue that the corresponding field is manufact.

|   |                                   |                                 |  | SITE INFORMATION  |               |              |               |                       |          |   | ALTERNATIVE ADDRESS INFOR   | MATION (IF NO PHYSICAL ABOR  | ESS AVAILABLE FOR SITE "   | REPORTING I  | NFORMATION   | PE Certification   | ADERTION  | AL INFORMATION                                   |
|---|-----------------------------------|---------------------------------|--|---|---------------|--------------|---------------|-----------------------|----------|---|---|--|--|--|--|--|---|--|
| Field value will<br>priest value will<br>automatically<br>poverable (if a value<br>is not entered.) | Company Name * (660 5420A/G/(18/9 | Facility Site Name *            | L/S Well I/D or L/S Well<br>I/D Associated with the<br>Associated Recibity, if<br>applicable, *<br>(660 5420w(h)(1)(3) | Address of Affected<br>Pacifity *<br>(\$40.5420x(b)(330)) | Address 2     | City*        | County *      | State<br>Abbreviation |          | Responsible<br>Agency<br>Facility (0<br>(State<br>Facility<br>identified) | Description of Site Location<br>(960 S420e(6)(1)(9)                 | tatitude of the Site (decemal<br>degrees to 5 decimals using<br>the North American Datam of<br>1983)<br>(960-5420xbb(2309) | Longitude of the Site<br>(decimal degrees to 5<br>decimals using the North<br>American Datum of 1963)<br>(660.5420a(b)(1)(i) | Beginning Date of<br>Reporting Period.*<br>(840: 5470w(hl 130kh) | Ending Date of<br>Reporting Percet.*<br>(\$60.5420a(h)(1En)) | Please provide the file name that contains the certification signed by a qualified professional engineer for each cosed vest system routing to a corroot device or process."  [560-5420(b)(12)] Please provide only one file per record. | Frease enter<br>any strifficous<br>information. | Enter associated fill series reforence.          |
|   | E.g.: ADC Compuny                 | n.g.: XV2 Compressor<br>Matters | + 6 : 52-545-67990-12  | e.g.: 129 Main Street                                     | teg: Sute 200 | eg: Brooklyn | mg: Engs Coun | ng.NY                 | *#-11771 |   | e.g.: 2 miles NE of the<br>intersection of Hery 123 and<br>Hery 656 | m.g.: 34.32945   | + g)-301.12945   | e g : 01/01/7014   | #4.06/80/3016  | e.g.: Certification.pdf er<br>XV2CompressorScation.pdf   |   | ing. pddints.cp-as<br>RVZCompressorStal<br>n.pdf |
| nine france, but  | Notice Energy, Inc.               | Assets in Weld<br>County, CO    | See attached   | 1625 Broadway   | Suite 2200    | Demver       | Denver        | m                     | 8020     |   |   |  |  | 8/2/2018   | 80.000   | Not applicable   |   |  |

|  |  |  | 660.5432a Low Pressure Wells  | All Well Completions                      |  |  |  |  |   |  | Well Affects  | d Facilities Required to Co   | mply with §60.5375a(a) and §   | 960.5375a(f)   |
|--|--|--|---|---|--|--|--|--|---|--|---|---|--|--|
| Facility Record No. * (Select from dropdown list - may need to scroll up.) | United States Well<br>Number*<br>(560.5420u(b)(1)(ii)) | Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. *  (§60.5420a(b)(2)(ii) and §60.5420a(c)(1)(iii)) | Please provide the file name that contains the Record of Determination and Supporting inputs and Calculations * (\$60.5420a(b)(2)(iii) and \$60.5420a(c)(1)(viii)) Please provide only one file per record. | Well Completion (D * (§60.5420a(c)(1)(i)) | Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(Al-(B)) | Date of Onset of<br>Flowback Following<br>Hydraulic Fracturing or<br>Refracturing *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-<br>(B)) | Time of Onset of Flowback<br>Following Hydraulic<br>Fracturing or Refracturing *<br>(960.5420a(b)(2)(i) and<br>960.5420a(c)(1)(ii)(A)-(B)) | Direct Flowback to a<br>Separator *<br>(§60.5420a(b)(2)(i) and | Time of Each Attempt to<br>Direct Flowback to a<br>Separator *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-<br>(B)) | Date of Each Occurrence<br>of Returning to the Initial<br>Flowback Stage *<br>(960.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) | Time of Each Occurrence<br>of Returning to the Initial<br>Flowback Stage *<br>(\$60.542Ca(b)(2)(i) and<br>\$60.542Ca(c)(1)(iii)(A)-<br>(B)) | Date Well Shut In and<br>Flowback Equipment<br>Permanently<br>Disconnected or the<br>Startup of Production *<br>(§60.5420a(b)(2)(j) and<br>§60.5420a(c)(1)(W)(A)-<br>(B)) | Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production* (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(8)) | Duration of Flowback in<br>Hours *<br>(§60.5420a(b)(2)(ii) and<br>§60.5420a(c)(1)(iii)(A)-(6 |
|  | e.g.: 12-345-67890-12                                  | e.g.: On October 12, 2016, a separator was not onsite<br>for the first 3 hours of the flowback period.   | e.g.: lowpressure.pdf or<br>XYZCompressorStation.pdf  | e.g.: Completion ABC                      | e.g.: 34.12345 latitude,<br>-101.12345 longitude                     | e.g.: 10/16/16   | eg.: 10 a.m.   | eg.: 10/16/16  | eg: 10 a.m.   | eg:: 10/16/16  | eg::10am.   | e.g.: 10/16/16  | eg: 10 a.m.  | e.g.: 5  |
| SISON RIDGE STATE Y22-786  | 05-123-45373   | None   | N/A   | 425911827                                 | (b) (9)  | 8/10/2018  | 12:00 PM   | 8/10/2018  | 7:00 PM   | N/A  | N/A   | 8/18/2018   | 7:00 AM  | 1  |
| SISON RIDGE Y22-779  | 05-123-45378   | None   | N/A   | 425911879                                 |  | 8/10/2018  | 5:00 PM  | 8/11/2018  | 5:00 AM   | N/A  | N/A   | 8/18/2018   | 5:00 PM  | 1  |
| BISON RIDGE Y22-771  | 05-123-45372   | None   | N/A   | 425911811                                 |  | 8/10/2018  | 5:00 PM  | 8/11/2018  | 2:00 AM   | N/A  | N/A   | 8/18/2018   | 5:00 PM  | 1  |
| BISON RIDGE Y22-764  | 05-123-45376   | None   | N/A   | 425911861                                 |  | 8/14/2018  | 10:00 AM   | 8/14/2018  | 1:15 PM   | N/A  | N/A   | 8/17/2018   | 7:00 AM  |  |
| BISON RIDGE Y22-756  | 05-123-45370   | None   | N/A   | 425911844                                 |  | 8/14/2018  | 10:00 AM   | 8/15/2018  | 8:00 AM   | N/A  | N/A   | 8/18/2018   | 7:00 AM  |  |
| SISON RIDGE Y22-734  | 05-123-45371   | None   | N/A   | 425911875                                 |  | 8/24/2018  | 3:30 PM  | 8/25/2018  | 8:00 AM   | N/A  | N/A   | 8/26/2018   | 12:00 PM   | 1  |
| BISON RIDGE Y22-741  | 05-123-45374   | None   | N/A   | 425911809                                 |  | 8/24/2018  | 3.30 PM  | 8/25/2018  | 12:00 AM  | N/A  | N/A   | 8/26/2018   | 12:00 PM   | 1  |
| SISON RIDGE Y22-749  | 05-123-45379   | None   | N/A   | 425911876                                 |  | 8/24/2018  | 3:30 PM  | 8/25/2018  | 12:00 AM  | N/A  | N/A   | 8/26/2018   | 12:00 PM   | 1  |
| SHUFLY STATE Y34-714   | 05-123-45621   | None   | N/A   | 425912632                                 |  | 8/2/2018   | 3:00 PM  | 8/4/2018   | 5:00 AM   | N/A  | N/A   | 8/12/2018   | 9:00 AM  | 1 2  |
| SISON RIDGE Y22-711  | 05-123-45377   | None   | N/A   | 425911822                                 |  | 8/27/2018  | 9:00 AM  | 8/27/2018  | 1:00 PM   | N/A  | N/A   | 8/29/2018   | 10:30 AM   | 1  |
| BISON RIDGE Y22-719  | 05-123-45369   | None   | N/A   | 425911860                                 |  | 8/27/2018  | 9:00 AM  | 8/27/2018  | 3:30 PM   | N/A  | N/A   | 8/29/2018   | 12-15 PM   | 1  |
| SISON RIDGE Y22-726  | 05-123-45375   | None   | N/A   | 425911798                                 |  | 8/27/2018  | 9:00 AM  | 8/27/2018  | 4:15 PM   | N/A  | N/A   | 8/29/2018   | 12:15 PM   | 1  |
| NASTE MANAGEMENT Y23-768   | 05-123-44845   | None   | N/A   | 425911846                                 |  | 9/5/2018   | 6:00 PM  | 9/7/2018   | 1:00 AM   | N/A  | N/A   | 9/11/2018   | 1:00 PM  | 1 1  |
| NASTE MANAGEMENT Y23-776   | 05-123-44847   | None   | N/A   | 425911810                                 |  | 9/4/2018   | 6.00 PM  | 9/6/2018   | 2:00 AM   | N/A  | N/A   | 9/11/2018   | 1:00 PM  | 1 1  |
| NASTE MANAGEMENT Y23-784   | 05-123-44839   | None   | N/A   | 425911825                                 |  | 9/4/2018   | 6:00 PM  | 9/5/2018   | 10:00 AM  | N/A  | N/A   | 9/11/2018   | 1:00 PM  | 1  |
| ROADRUNNER AB11-677  | 05-123-44897   | None   | N/A   | 425911606                                 |  | 8/25/2018  | 6:00 AM  | 8/28/2018  | 5:15 AM   | N/A  | N/A   | 9/10/2018   | 12:45 PM   | 1 3  |
| NASTE MANAGEMENT Y23-760   | 05-123-44838   | None   | N/A   | 425911787                                 |  | 9/14/2018  | 9:00 PM  | 9/14/2018  | 11:00 PM  | N/A  | N/A   | 9/17/2018   | 12:00 PM   |  |
| NASTE MANAGEMENT Y23-752   | 05-123-44846   | None   | N/A   | 425911862                                 |  | 9/14/2018  | 9:00 PM  | 9/15/2018  | 3:00 AM   | N/A  | N/A   | 9/17/2018   | 11:45 AM   | 1  |
| ARSON AA19-618   | 05-123-45546   | None   | N/A   | 425901150                                 |  | 10/10/2018   | 2:00 PM  | 10/15/2018   | 6:45 AM   | N/A  | N/A   | 10/17/2018  | 10-15 AM   | 1  |
| ARSON AA19-624   | 05-123-45548   | None   | N/A   | 425901148                                 |  | 10/10/2018   | 2:15 PM  | 10/11/2018   | 4:15 AM   | N/A  | N/A   | 10/16/2018  | 10:00 AM   | 1  |
| NASTE MANAGEMENT Y23-712   | 05-123-44840   | None   | N/A   | 425911812                                 |  | 9/10/2018  | 7:00 AM  | 9/11/2018  | 1:45 PM   | N/A  | N/A   | 9/13/2018   | 11:45 AM   |  |
| VASTE MANAGEMENT Y23-728   | 05-123-44844   | None   | N/A   | 425911845                                 |  | 9/10/2018  | 7:15 AM  | 9/17/2018  | 2:00 AM   | N/A  | N/A   | 9/18/2018   | 1:00 PM  | 1  |
| ARSON AA19-635   | 05-123-45550   | None   | N/A   | 425901144                                 |  | 10/12/2018   | 12:00 PM   | 10/12/2018   | 9:00 PM   | N/A  | N/A   | 10/16/2018  | 10:00 AM   | 1  |
|  | 05-123-45553   | None   | N/A   | 425901146                                 |  | 10/12/2018   | 12:00 PM   |  |   |  |   |   |  | 1  |

The asterisk (\*) next to each field indic

Exceptions Under §60.5375a(a)(3) - Technically Infeasible to Route to the Gas Flow Line or Collection System, Re-inject into a Well, Use as an Onsite Fuel Source, or Use for Another Useful Pur

| Facility Record No. * (Select from dropdown list - may need to scrall up.) | Duration of Recovery in Hours* (Not Required for Wells Complying with \$60.5375a(f) \((\)\)\((\)\)\((\)\)\(\)\(\)\)\(\)\(\ | Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))                       | Duration of Combustion<br>in Hours *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-<br>(8)) | Duration of Venting in<br>Hours *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-<br>(B)) | Reason for Venting in Reu of Capture or<br>Combustion *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-(B)) | Well Location *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iv)) | Specific Exception Claimed<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iv)) | Starting Date for the Period<br>the Well Operated Under<br>the Exception *<br>(560.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iv)) | Ending Date for the<br>Period the Well Operated<br>Under the Exception *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iv)) | Why the Well Meets the Claimed Exception * (§60.5420a(b)(2)(l) and §60.5420a(c)(1)(iv))                                      | Name of Nearest<br>Gathering Line *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-<br>(B)) | Location of Nearest Gathering<br>Line *<br>(960.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-{B}) | Technical Considerations Preventing Routing to this Line (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B)) |
|--|--|--|---|--|--|--|---|--|---|--|--|---|---|
|  | e.g.: 5  | e.g.: Used as onsite fuel  | e.g.: 5   | eg.: 5   | e.g: No onsite storage or combustion unit was available at the time of completion.                                 |  | e.g.: Technical Infeasibility<br>under 60.5375a(a)(3)                           | e.g.: 10/16/2016   | e.g.: 10/18/2016  | e.g.: As further described in this report, technical issues<br>prevented the use of the gas for useful purposes.             | e.g.: ABC Une  | e.g.: 100 miles away at<br>34.12345 latitude, -101.12345<br>longitude                               | e.g.: right of use  |
| BISON RIDGE STATE Y22-786  | 180  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 180   | 7  | Initial flowback   | (b) (9)  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/10/2018  | 8/18/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| BISON RIDGE Y22-779  | 180  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 180   | 12   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/11/2018  | 8/18/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                           |
| BISON RIDGE Y22-771  | 183  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 183   | . 9  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/11/2018  | 8/18/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| BISON RIDGE Y22-764  | 65   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 65  | 3  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/14/2018  | 8/17/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                           |
| BISON RIDGE Y22-756  | 71   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 71  | 22   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/15/2018  | 8/18/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| BISON RIDGE Y22-734  | 28   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 28  | 16   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/25/2018  | 8/26/2018   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).       | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| BISON RIDGE Y22-741  | 36   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 36  | 8  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/25/2018  | 8/26/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| BISON RIDGE Y22-749  | .36  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 36  | 8  | Initial Rowback  |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/25/2018  | 8/26/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| SHUFLY STATE Y34-714   | 196  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 196   | 38   | Initial flowback   |  | Technical infeasibility<br>under 60 5375 (a)(3)                                 | 8/4/2018   | 8/12/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                           |
| BISON RIDGE Y22-711  | 45   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 45  | 4  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/27/2018  | 8/29/2018   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).       | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| BISON RIDGE Y22-719  | 44   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 44  | 6  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/27/2018  | 8/29/2018   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                      | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| BISON RIDGE Y22-726  | 44   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 44  | .7   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/27/2018  | 8/29/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| WASTE MANAGEMENT Y23-768   | 108  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 108   | 31   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 9/7/2018   | 9/11/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| WASTE MANAGEMENT Y23-776   | 131  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 131   | 32   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 9/6/2018   | 9/11/2018   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).       | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| WASTE MANAGEMENT Y23-784   | 147  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 147   | 16   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 9/5/2018   | 9/11/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| ROADRUNNER AB11-577  | 319  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 319   | 71   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 8/28/2018  | 9/10/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| WASTE MANAGEMENT Y23-760   | 61   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 61  | 2  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 9/14/2018  | 9/17/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| WASTE MANAGEMENT Y23-752   | 56   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 56  | 6  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 9/15/2018  | 9/17/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| LARSON AA19-618  | 51   | Majority of gas it used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 51  | 112  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 10/15/2018   | 10/17/2018  | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| LARSON AA19-624  | 125  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 125   | 14   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 10/11/2018   | 10/16/2018  | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| WASTE MANAGEMENT Y23-712   | 46   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 46  | 30   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 9/11/2018  | 9/13/2018   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| WASTE MANAGEMENT Y23-728   |  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 35  |  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 9/17/2018  |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| ARSON AA19-635   |  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 85  |  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 10/12/2018   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |
| ARSON AA19-630   | 90   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted. | 90  | 28   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                   | 10/13/2018   | 10/17/2018  | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations). | Facility flow line   | On site   | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                     |

pose Served By a Purchased Fuel or Raw Material Well Affected Facilities Meeting the Criteria of \$60.5375a(a)(1)(iii)(A) - Not Hydraulically Fractured/Refractured with Liquids or Do Not Generate Condensate, Intermediate Hydrocarbon Liquids, Date of Onset of Time of Onset of Aspects of Gas or Date Well Shut In and me Well Shut In and Flowba Does well still meet the Duration of Venting i Capture, Reinjection, and **Technical Considerations** Flowback Following ation of Flowback Ir ration of Combusti Flowback Following nent Preventing Well Location Flowback Equipment eason for Venting in lieu of Capture Facility Record No. \* Reuse Technologies enting Use of Recovered ( draulic Fracturing o Hydraulic Fracturing or of Recovered Gas as a Fuel Infeasibility \* 660.5420a(b)(2)(ii) are manently Disconnected o connected or the Startup of Combustion \* (Select from dropdown list - may Considered \* for Other Useful Purpose \* Refracturing \* Refracturing \* (\$60.5420a(b)(2)(i) and 660.5420a(b)(2)(i) and (\$60.5420a(b)(2)(i) ar 660.5375a(1)(iii)(A)? \* (560.5420a(b)(2)(i) and 560.5420a(c)(1)(iii)(A) (560.5420a(b)(2)(i) and the Startup of Production Onsite \* Production \* need to scroll up) (\$60 5420a/b)(2)(i) and (\$60.5420a(b)(2)(i) and (\$60.5420a(b)(2)(i) and (\$60.5420a(b)(2)(i) and 560.5420a(c)(1)(iii)(A) \$60.5420a(c)(1)(iii)(A) 660.5420a(e)(1)(iii)(A (660.5420a(b)(2)(i) and (660.5420a(b)(2)(i) and 560.5420a(c)(1)(iii)(A)-(B)) and (C)) (§60.5420a(b)(2)(i) and (§60.5420a(b)(2)(i) and 660.5420a(c)(1)(iii)(A) and (C)) \$60.5420a(c)(1)(iii)(C)(2)) \$60.5420a(c)(1)(iii)(A)-(B) \$60.5420a(c)(1)(iii)(A)-(B)) \$60.5420a(c)(1)(iii)(A) 60.5420a(c)(1)(iii)(A) as and (C)) and (C)) and (C)) 560.5420a(c)(1)(iii)(A)-(B)) \$60.5420a(c)(1)(iii)(A) and (C)) \$60.5420a(c)(1)(iii)(A) and (C)) (C)) and (C)) e.g. No onsite storage or combustion unit e.g.: 34.12345 latitude, -101.12345 longitude e.g.: 10/16/16 e.g. well damage or clean-up e.g.: 10/16/16 eg.: 10 a.m. \*E.S e.g.: on-site generators e.g.: gas quality e.g.: 10 a.m. eg:5 08/5 e.g. gas quality was available at the time of completion. BISON RIDGE STATE Y22-786 None. Used as instrument gas to N/A N/A N/A N/A N/A N/A N/A pression equipment not Gas quality. easible. ontrol onsite equipment. BISON RIDGE Y22-779 N/A N/A N/A N/A N/A N/A N/A N/A ompression equipment not Gas quality ione. Used as instrument gas to None. N/A easible. introl onsite equipment. BISON RIDGE Y22-771 one. Used as instrument gas t N/A N/A N/A N/A Compression equipment no Gas quality. easible. ntrol onsite equipment. BISON RIDGE Y22-764 one. Used as instrument gas to N/A N/A N/A N/A N/A Compression equipment not Gas quality None. N/A N/A N/A N/A easible. ntrol onsite equipment. BISON RIDGE Y22-756 N/A N/A N/A N/A N/A one. Used as instrument gas to easible. introl onsite equipment. BISON RIDGE Y22-734 N/A N/A N/A N/A N/A N/A N/A N/A compression equipment not Gas quality one. Used as instrument gas to None. N/A easible. strol onsite equipment. BISON RIDGE Y22-741 N/A N/A N/A N/A N/A N/A N/A N/A impression equipment not Gas quality. ione. Used as instrument gas to asible. trol ansite equipment. BISON RIDGE Y22-749 one. Used as instrument gas to N/A N/A ompression equipment not Gas quality N/A N/A N/A N/A N/A N/A N/A easible. introl onsite equipment. SHUFLY STATE Y34-714 one. Used as instrument gas to N/A N/A N/A N/A N/A N/A N/A mpression equipment not Gas quality. ntral ansite equipment BISON RIDGE Y22-711 ione. Used as instrument gas to None. N/A N/A N/A N/A N/A N/A N/A N/A N/A Compression equipment not Gas quality ntrol onsite equipment. BISON RIDGE Y22-719 ione. Used as instrument gas to N/A N/A N/A N/A N/A N/A N/A N/A N/A asible introl onsite equipment. BISON RIDGE Y22-726 empression equipment not Gas quality. one. Used as instrument gas to N/A N/A N/A N/A N/A N/A intral arsite equipment. WASTE MANAGEMENT Y23-768 one. Used as instrument gas to N/A N/A N/A N/A N/A N/A N/A N/A N/A antral ansite equipment. N/A N/A WASTE MANAGEMENT Y23-776 N/A N/A N/A N/A N/A N/A N/A empression equipment not Gas quality. ione. Used as instrument gas to None. introl onsite equipment. WASTE MANAGEMENT Y23-784 ompression equipment not Gas quality. lone. Used as instrument gas t N/A N/A N/A N/A N/A N/A N/A N/A ontrol onsite equipment. ROADRUNNER A811-677 N/A one. Used as instrument gas to N/A N/A N/A N/A N/A N/A N/A N/A ompression equipment not. Gas quality. ontrol onsite equipment. WASTE MANAGEMENT Y23-760 empression equipment not Gas quality. one. Used as instrument gas to N/A N/A N/A N/A N/A N/A N/A N/A ontrol onsite equipment. WASTE MANAGEMENT 923-752 N/A N/A N/A N/A N/A ompression equipment not Gas quality. ione. Used as instrument gas to N/A N/A N/A N/A sible. control onsite equipment. LARSON AA19-618 N/A N/A N/A N/A N/A ione. Used as instrument gas to None. N/A N/A N/A Compression equipment not Gas quality. ontrol onsite equipment. LARSON AA19-624 N/A compression equipment not Gas quality. one. Used as instrument gas to None N/A N/A N/A N/A N/A N/A N/A N/A easible. ontrol ansite equipment. one. Used as instrument gas to N/A easible. ontrol onsite equipment. WASTE MANAGEMENT Y23-728 N/A N/A N/A N/A one. Used as instrument gas to None. N/A N/A N/A N/A N/A Compression equipment not Gas quality. ntrol onsite equipment. N/A LARSON AA19-635 Gas quality. one. Used as instrument gas to N/A N/A N/A N/A N/A N/A N/A N/A easible. strol onsite equipment. LARSON AA19-630 N/A ompression equipment not Gas quality. ione. Used as instrument gas to N/A N/A asible. trol onsite equipment.

The asterisk (\*) next to each field indic

|  | or Produced Water (No Liquid  | Collection System or Seperator   | Onsite)                  |   |  | Well Affected Facilities Required to Comply with Both<br>§60.5375a(a)(1) and (3) Using a Digital Photo in lieu of<br>Records Required by §60.5420a(c)(1)(i) through (iv)   | Well Affected Facilitie  | s Meeting the Criteria of §60.5375a(g) - <3   | 00 scf of Gas per Stock Tank Barrel of Oil Produced  |
|--|---|--|--------------------------|---|--|--|--|---|--|
| Facility Record No. * (Select from dropdown list - may need to scroll up ) | if applicable Date Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2)) | If applicable: Time Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2)) | ((§60.5420a(b)(2)(i) and | If applicable:<br>Time Separator installed<br>*<br>((§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(C)(2) | Are there liquids collection at the well site? Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.  ((\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(3)) | Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(v)) Please provide only one file per record. | Well Location*<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(vi)(B)) | Please provide the file name that contains the Record of Analysis Performed to Claim Well Meets \$60.5375a[g]. Including GOR Values for Established Leases and Data from Wells in the Same Basin and Field * (\$60.5420a[b](2)[i) and \$60.5420a[c](1)(vi)[A]) Please provide only one file per record. | Does the well meet the requriements of \$60.5375a(g)?  Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *  ((\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(vi)(C)) |
|  | e.g.: 10/16/16  | e.g.: 10 a.m.  | e.g.: 10/16/16           | e.g.: 10 a.m.   | e.g.: No   | e.g.: completion1.pdf or XYZCompressorStation.pdf  | e.g.: 34.12345 latitude,<br>-101.12345 longitude                     | e.g.; GDRcalcs.pdf or<br>XYZCompressorStation.pdf   | e.g.: Yes  |
| BISON RIDGE STATE Y22-786  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  | (b) (9)  | N/A   | N/A  |
| BISON RIDGE Y22-779  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-771  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-764  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-756  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-734  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-741  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-749  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| SON HOSE TEE 743   |   | 14/5   | 197                      | .44   | 1470   | N/A  |  | 14/6  | 140  |
| SHUFLY STATE Y34-714   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-711  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| BISON RIDGE Y22-719  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  | İ  | N/A   | N/A  |
| BISON RIDGE Y22-726  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| WASTE MANAGEMENT Y23-768   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| WASTE MANAGEMENT Y23-776   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| WASTE MANAGEMENT Y23-784   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| ROADRUNNER AB11-677  | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| WASTE MANAGEMENT Y23-760   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| WASTE MANAGEMENT Y23-752   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| ARSON AA19-618   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
|  | .,,,,   | 1,77   | .,,,,                    |   |  |  |  |   |  |
| ARSON AA19-624   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| WASTE MANAGEMENT Y23-712   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| NASTE MANAGEMENT Y23-728   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| ARSON AA19-635   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| ARSON AA19-630   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |

| Facility Record No. *  (Select from dropdown list - may seed to soral up ) | United States Well<br>Number*<br>(560:5420a(b)(1)(#)) | Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a.*  (\$60.5420a(b)(2)(ii) and §60.5420a(c)(1)(ii)) | Please provide the file name<br>that contains the Record of<br>Determination and Supporting<br>inputs and Calculations *<br>(\$60.5420a(c)(2)(iii) and<br>\$60.5420a(c)(1)(viii))<br>Please provide only one file per | Well Completion ID * (\$60.5420a(b)(2)(I) and \$60.5420a(c)(1)(I) | Well Location * (\$60.5420a(b)(2)(s) and \$60.5420a(c)(1)(iii)(A)-(B)) | Date of Onset of<br>Flowback Following<br>Hydraulic Fracturing or<br>Refracturing **<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-<br>(B)) | Time of Onset of Flowback<br>Following Hydraulic<br>Fracturing or Refracturing *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-(B)) | Direct Flowback to a<br>Separator *<br>(§60.5420a(b)(2)(i) and | Time of Each Attempt to<br>Direct Flowback to a<br>Separator *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(ii)(A)-<br>(B)) | Date of Each Occurrence<br>of Returning to the Initial<br>Flowback Stage *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-(B)) | Time of Each Occurrence<br>of Returning to the Initial<br>Flowback Stage *<br>(560.5420a(b)(2)(i) and<br>560.5420a(c)(1)(iii)(A)-<br>(B)) | Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- | Time Well Shut In and<br>Flowback Equipment<br>Permanently Disconnected or<br>the Startup of Production *<br>(\$60.5420a(c)[1](iii)(A)-(B)]<br>\$60.5420a(c)[1](iii)(A)-(B)] |      |
|--|---|---|---|---|--|---|---|--|--|---|---|--|--|------|
| WASTE MANAGEMENT Y23-736   | 05-123-44841  | None  | record.   | 425911878   | (b) (9)  | 9/17/2018   | 6:00 PM   | 9/18/2018  | 3:00 AM  | N/A   | N/A   | (8)) 9/20/2018   | 8 9:45 AM  |      |
| WASTE MANAGEMENT Y23-744   | 05-123-44843  |   |   | 1   |  | 9/17/2018   |   |  |  |   |   |  |  |      |
| WASTE MANAGEMENT 123-744   | 43-123-44043  | None  | N/A   | 425911786   |  | 9/17/2018   | 6:00 PM   | 9/18/2018  | 4:00 AM  | N/A   | N/A   | 9/20/2018  | 9:30 AM  |      |
| LARSON A23-645   | 05-123-45515  | None  | N/A   | 425901124   |  | 10/19/2018  | 1:30 PM   | 10/20/2018   | 3:00 AM  | N/A   | N/A   | 10/22/2018   | 8 12:15 PM   | 7    |
| LARSON A23-651   | 05-123-45512  | None  | N/A   | 425901122   |  | 10/19/2018  | 1:30 PM   | 10/20/2018   | 5:00 PM  | N/A   | N/A   | 10/22/2018   | 8 2:15 PM  | 7    |
| ARSON A23-633  | 05-123-45549  | None  | N/A   | 425901128   |  | 10/18/2018  | 9:15 AM   | 10/18/2018   | 11:15 PM   | N/A   | N/A   | 10/22/2018   | 8 11:30 AM   | 1    |
| ARSON A23-639  | 05-123-45547  | None  | N/A   | 425901126   |  | 10/18/2018  | 9:15 AM   | 10/18/2018   | 1:15 PM  | N/A   | N/A   | 10/19/2018   | 8 9:45 AN  | 7    |
| LARSON AZ3-656   | 05-123-45516  | None  | N/A   | 425901120   |  | 10/22/2018  | 7:00 PM   | 10/24/2018   | 1:00 AM  | N/A   | N/A   | 10/25/2018   | 8. 10:00 AN  | A .  |
| LARSON A23-662   | 05-123-45513  | None  | N/A   | 425901118   |  | 10/22/2018  | 7:00 PM   | 10/24/2018   | 10:15 AM   | N/A   | N/A   | 10/25/2018   | 8 10:00 AM   |      |
| LARSON A23-622   | 05-123-45552  | None  | N/A   | 425901132   |  | 10/17/2018  | 8:15 PM   | 10/18/2018   | 6:15 AM  | N/A   | N/A   | 10/19/2018   | 8 9:45 AM  | 4    |
| ARSON A23-627  | 05-123-45551  | None  | N/A   | 425901130   |  | 10/17/2018  | 8:30 PM   | 10/18/2018   | 6:15 AM  | N/A   | N/A   | 10/19/2018   | 8 9:45 AN  |      |
|  |   | recine  |   | 423901130   |  | 10/1//2018  | 8.30 PM   | 10/14/2016   | 0.15 AV  | N/A   |   |  |  |      |
| WELLS RANCH STATE AF09-649   | 05-123-44242  | None  | N/A   | 425894673   |  | 11/15/2018  | 4:00 PM   | 11/20/2018<br>11/21/2018                                       |  |   | 12:00 AM  | 11/28/2018   | 9:15 AN  | и 30 |
| WELLS RANCH STATE AF09-658   | 05-123-44245  | None  | N/A   | 425894671   |  | 11/15/2018  | 4:00 PM   | 11/18/2018   | 6:15 AM  | N/A   | N/A   | 11/21/2018   | 8 1:30 PM  | и 14 |
| WELLS RANCH STATE AF09-667   | 05-123-44239  | None  | N/A   | 425894669   |  | 11/15/2018  | 4:00 PM   | 11/19/2018   | 11:00 PM   | N/A   | N/A   | 11/21/2018   | 8 12:30 PM   | и 14 |
| ARSON AZ3-668  | 05-123-45094  | None  | N/A   | 425901116   |  | 10/26/2018  | 10:00 PM  | 10/28/2018   | 1:00 AM  | N/A   | N/A   | 10/29/2018   | 8 11:00 AN   | 4    |
| ARSON A23-672  | 05-123-45093  | None  | N/A   | 425901114   |  | 10/26/2018  | 10:00 PM  | 10/27/2018   | 10:00 AM   | N/A   | N/A   | 10/29/2018   | 8 10:45 AM   | A 1  |
| ARSON AZ3-678  | 05-123-45096  | None  | N/A   | 425901112   |  | 10/26/2018  | 10:00 PM  | 10/27/2018   | 5:00 AM  | N/A   | N/A   | 10/29/2018   | 8 10:45 AM   | 4    |
| ARSON A23-683  | 05-123-45095  | None  | N/A   | 425901109   |  | 10/26/2018  | 10:00 PM  | 10/27/2018   | 10:00 AM   | N/A   | N/A   | 10/29/2018   | 8 11:00 AM   | и 6  |
|  |   |   |   |   |  |   |   |  | Chicago and  |   |   |  | 7.63   |      |
| WELLS RANCH STATE AF09-640   | 05-123-44243  | None  | N/A   | 425894675   |  | 11/24/2018  | 6:00 AM   | 11/26/2018   | 11:00 AM   | N/A   | N/A   | 11/29/2018   | 8 12:00 PM   | 12   |
| HURLEY H26-783   | 05-123-46764  | None  | N/A   | 425904520   |  | 1/2/2019  | 10:00 AM  | 1/2/2019   | 12:45 PM   | N/A   | N/A   | 1/5/2019   | 9 11:30 AM   | 7    |
| WELLS RANCH STATE AF09-628   | 05-123-44249  | None  | N/A   | 425894677   |  | 11/24/2018  | 6:00 AM   | 11/27/2018   | 10:00 AM   | N/A   | N/A   | 11/29/2018   | 8 12:00 PM   | M 12 |
| WELLS RANCH STATE AF09-618   | 05-123-44244  | None  | N/A   | 425894679   |  | 11/24/2018  | 6:00 AM   | 11/29/2018   | 12:15 PM   | N/A   | N/A   | 12/3/2018  | 8 9:15 AN  | и 21 |
| HURLEY H26-776   | 05-123-46771  | None  | N/A   | 425904518   |  | 1/2/2019  | 10:00 AM  | 1/2/2019   | 6:45 PM  | N/A   | N/A   | 1/5/2019   | 9 10:00 AM   | 4    |
| HURLEY H26-768   | 05-123-46766  | None  | N/A   | 425904516   |  | 1/2/2019  | 10:00 AM  | 1/2/2019   | 11:45 AM   | N/A   | N/A   | 1/5/2019   | 9 10:00 AM   | A    |
| HURLEY H26-762   | 05-123-46767  | None  | N/A   | 425904514   |  | 1/11/2019   | 7:30 AM   | 1/11/2019  | 9:15 AM  | N/A   | N/A   | 1/12/2015  | 9 8:00 AM  | А    |
|  |   |   |   |   |  |   |   |  |  |   |   |  |  |      |
| HURLEY H26-756   | 05-123-46772  | None  | N/A   | 425904507   |  | 1/6/2019  | 7:45 AM   | 1/6/2019   | 12:00 PM   | N/A   | N/A   |  |  |      |
| HURLEY H26-750   | 05-123-46768  | None  | N/A   | 425904505   |  | 1/6/2019  | 7:45 AM   | 1/6/2019   | 2:45 PM  | N/A   | N/A   | 1/7/2019   | 9 12-15 PM   | - 1  |
| HURLEY H26-743   | 05-123-46761  | None  | N/A   | 425904551   |  | 1/13/2019   | 8:00 AM   | 1/13/2019  | 6:45 PM  | N/A   | N/A   | 1/14/2019  | 9 12:00 PM   | 1    |

| Facility Record No. * (Select from dropdown list - may need to scroll up ) | Duration of Recovery in Hours * (Not Required for Wells Complying with \$60.5375a(f)) (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)) | Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))                             | Duration of Combustion<br>in Hours **<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-<br>(B)) | Duration of Venting in<br>Hours *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-<br>(B)) | Reason for Venting in lieu of Capture or<br>Combustion *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-(B)) | Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv)) | Specific Exception Claimed<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iv)) | Starting Date for the Period<br>the Well Operated Under<br>the Exception *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iv)) | Ending Date for the<br>Period the Well Operated<br>Under the Exception *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iv)) | Why the Well Meets the Claimed Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))  | Name of Nearest<br>Gathering Line *<br>(560.5420a(b)(2)(i) and<br>560.5420a(c)(1)(iii)(A)-<br>(B)) | Location of Nearest Gathering<br>Line *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) | Technical Considerations Preventing Routing to this Line (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B)) |
|--|--|--|--|--|---|--|---|---|---|--|--|--|---|
| WASTE MANAGEMENT Y23-736   | 54   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is                     | 54   | 9  | Initial flowback  | (b) (9)  | Technical infeasibility under 60.5375 (a)(3).                                 | 9/18/2018   | 9/20/2018   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                                | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas   |
| WASTE MANAGEMENT Y23-744   | 53   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 53   | 10   | Initial flowback  |  | Technical infeasibility<br>under 60.5375 (a)(3).                              | 9/18/2018   | 9/20/2018   | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-645   | 57   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 57   | 13   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/20/2018  | 10/22/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-651   | 45   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 45   | 27   | Initial flowback  |  | Technical infeasibility<br>under 60.5375 (a)(3).                              | 10/20/2018  | 10/22/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-633   | 84   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 84   | 14   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/18/2018  | 10/22/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-639   | 20   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 20   | 4  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/18/2018  | 10/19/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec.  Flow line not yet certified to accept gas and/or quality of gas                            |
| LARSON A23-656   | 33   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 33   | 30   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/24/2018  | 10/25/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-662   | 23   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 23   | 39   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/24/2018  | 10/25/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-622   | 27   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 27   | 10   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/18/2018  | 10/19/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec.  Flow line not yet certified to accept gas and/or quality of gas                            |
| LARSON A23-627   | 27   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 27   | 9  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/18/2018  | 10/19/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| WELLS RANCH STATE AF09-649   | 195  | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 195  | 110  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 11/20/2018  | 11/28/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| WELLS RANCH STATE AF09-658   | 79   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 79   | 62   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 11/18/2018  | 11/21/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| WELLS RANCH STATE AF09-667   | 37   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 37   | 103  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 11/19/2018  | 11/21/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-668   | 34   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 34   | 27   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/28/2018  | 10/29/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-672   | 48   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 48   | 12   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/27/2018  | 10/29/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-678   | 53   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 53   | 7  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/27/2018  | 10/29/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| LARSON A23-683   | 49   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 49   | 12   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 10/27/2018  | 10/29/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| WELLS RANCH STATE AF09-640   | 73   | combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is            | 73   | 53   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 11/26/2018  | 11/29/2018  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas                             |
| HURLEY H26-783   | 70   | combusted,  Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted. | 70   | 2  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 1/2/2019  | 1/5/2019  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations). | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas does not meet spec.         |
| WELLS RANCH STATE AF09-628   | 50   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.       | 50   | 76   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 11/27/2018  | 11/29/2018  | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                                | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                             |
| WELLS RANCH STATE AF09-618   | 93   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.       | 93   | 126  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 11/29/2018  | 12/3/2018   | explanations). Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see                 | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas   |
| HURLEY H26-776   | 63   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.       | 63   | 8  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 1/2/2019  | 1/5/2019  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations). | Facility flow line   | On site  | does not meet spec. Flow line not yet certified to accept gas and/or quality of gas does not meet spec.         |
| HURLEY H26-768   | 70   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.       | 70   | 1  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 1/2/2019  | 1/5/2019  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations). | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                             |
| HURLEY H26-762   | 22   | Combusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted. | 22   | 1  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 1/11/2019   | 1/12/2019   | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations). | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                             |
| HURLEY H26-756   | 24   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.       | 24   | 4  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 1/6/2019  | 1/7/2019  | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations). | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                             |
| HURLEY H26-750   | 21   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.       | 21   | 7  | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 1/6/2019  | 1/7/2019  | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).           | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                             |
| HURLEY H26-743   | 17   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.       | 17   | 10   | Initial flowback  |  | Technical infeasibility under 60.5375 (a)(3).                                 | 1/13/2019   | 1/14/2019   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).                 | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                             |

| Facility Record No. * (Select from dropdown list - may need to scroll up) | Capture, Reinjection, and<br>Reuse Technologies<br>Considered *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-(B)) | Aspects of Gas or<br>Equipment Preventing Use<br>of Recovered Gas as a Fuel<br>Onsite *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) | Technical Considerations Preventing Use of Recovered Gas for Other Useful Purpose * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(8)) | Additional Reasons for Technica<br>Infeasibility *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) | Well Location* (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A) and (C)) | Date of Onset of<br>Flowback Following<br>Hydraulic Fracturing or<br>Refracturing *<br>(560.5420a(b)(2)(i) and<br>560.5420a(c)(1)(iii)(A)<br>and (C) | Time of Onset of<br>Flowback Following<br>Hydraulic Fracturing or<br>Refracturing *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A) and<br>(C)) | Date Well Shut In and<br>Flowback Equipment<br>Permanently Disconnected or<br>the Startup of Production *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(ii)(A) and (C) | Time Well Shut In and Flowback<br>Equipment Permanently<br>Disconnected or the Startup of<br>Production *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A) and (C)) | Duration of Flowback in<br>Hours*<br>(\$60.54206)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)<br>and (C)) | Duration of Combustion<br>in Hours* (\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)<br>and (C)) | Duration of Venting in Hours* (§60.5420a(c)(1)(ii)(A) and (C)) | Reason for Venting in lieu of Capture or<br>Combustion *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A) and (C)) | Does well still meet the conditions of \$60.5375a(1)(iii)(A) * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2)) |
|---|--|--|--|---|---|--|---|--|--|---|--|--|---|--|
| WASTE MANAGEMENT Y23-736  | Compression equipment not feasible.  | Gas quality.   | None. Used as instrument gas to control onsite equipment.  | None.   | (b) (9)   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| WASTE MANAGEMENT Y23-744  | Compression equipment not feasible.  | Gas quality.   | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-645   | Compression equipment not  |  | None. Used as instrument gas to  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| LARSON A23-651  | feasible.  Compression equipment not   |  | control onsite equipment.  None. Used as instrument gas to   | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARCON 422 622   | feasible.  |  | control onsite equipment.  |   |   | ***  |   |  |  | ***   | 21/2   | 1/2  |   | N/A  |
| LARSON A23-633  | Compression equipment not<br>feasible.   | Gas quality.   | None. Used as instrument gas to<br>control onsite equipment.   | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-639   | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| LARSON A23-656  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-662   | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-622   | Compression equipment not feasible.  | Gas quality.   | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-627   | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| WELLS RANCH STATE AF09-649  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| WELLS RANCH STATE AF09-658  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| WELLS RANCH STATE AF09-667  | Compression equipment not feasible.  | Gas quality.   | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-668   | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-672   | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-678   | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| ARSON A23-683   | Compression equipment not feasible.  | Gas quality.   | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| WELLS RANCH STATE AF09-640  | Compression equipment not feasible.  | Gas quality.   | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| HURLEY H26-783  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| WELLS RANCH STATE AF09-628  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| WELLS RANCH STATE AF09-618  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| HURLEY H26-776  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| HURLEY H26-768  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| HURLEY H26-762  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| HURLEY H26-756  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| HURLEY H26-750  | Compression equipment not feasible.  |  | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |
| HURLEY H26-743  | Compression equipment not feasible.  | Gas quality.   | None. Used as instrument gas to control onsite equipment.  | None.   |   | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  |

| Facility Record No. * (Select from dropdown list - may need to scroll up) | If applicable Date Well Completion Operation Stopped * ((\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2 )) | If applicable: Time Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2 )) | ((660.5420a(b)(2)(i) and | if applicable:<br>Time Separator installed<br>((960.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(C)(2) | reasonable inquiry, the statements and information<br>in the document are true, accurate, and complete. | Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(v)) Please provide only one file per record. | Well Location*<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(vi)(B)) | Please provide the file name that contains<br>the Record of Analysis Performed to<br>Claim Well Meets §60.5375a(g), Including<br>GOR Values for Established Leases and<br>Data from Wells in the Same Basin and<br>Field *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(vi)(A))<br>Please provide only one file per record. | Does the well meet the requriements of §60.5375a(g)? Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(C)) |
|---|--|---|--------------------------|---|---|--|--|--|---|
| WASTE MANAGEMENT Y23-736  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  | (b) (9)  | N/A  | N/A   |
| WASTE MANAGEMENT Y23-744  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-645   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-651   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-633   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-639   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-656   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-662   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-622   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-627   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| WELLS RANCH STATE AF09-649  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| WELLS RANCH STATE AF09-658  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| WELLS RANCH STATE AF09-667  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-668   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-672   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-678   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| ARSON A23-683   | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| WELLS RANCH STATE AF09-640  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| HURLEY H26-783  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| WELLS RANCH STATE AF09-628  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| WELLS RANCH STATE AF09-618  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| FURLEY H26-776  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| FURLEY H26-768  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| HURLEY H26-762  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| HURLEY H26-756  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| HURLEY H26-750  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |
| HURLEY H26-743  | N/A  | N/A   | N/A                      | N/A   | N/A   | N/A  |  | N/A  | N/A   |

| Facility Record No. * (Select from dropdown list - may need to sarall up.) | United States Well<br>Number*<br>(\$60.5420a(b)(1)(ii)) | Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. *  (§60.5420a(b)(2)(ii) and §60.5420a(c)(1)(iii)) | Please provide the file name that contains the Record of Determination and Supporting Inputs and Calculations * (\$60.5420a(b)(2)(iii) and \$60.5420a(c)(1)(vii)) Please provide only one file per record. | Well Completion ID * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(i)) | Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B)) | Date of Onset of<br>Flowback Following<br>Hydraulic Fracturing or<br>Refracturing *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-<br>(B)) | Time of Onset of Flowback<br>Following Hydraulic<br>Fracturing or Refracturing *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) | Direct Flowback to a<br>Separator *<br>(§60.5420a(b)(2)(i) and | Time of Each Attempt to<br>Direct Flowback to a<br>Separator *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-<br>(B)) | Date of Each Occurrence<br>of Returning to the Initial<br>Flowback Stage *<br>{\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) | Time of Each Occurrence<br>of Returning to the Initial<br>Flowback Stage*<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-<br>(B)) | Date Well Shut In and<br>Flowback Equipment<br>Permanently<br>Disconnected or the<br>Startup of Production *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-<br>(B)) | Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B)) | Duration of Flowback in<br>Hours *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) |
|--|---|--|--|--|--|--|---|--|---|---|--|---|---|---|
| HURLEY H26-736   | 05-123-46762  | None   | N/A  | 425904549  | (b) (9)  | 1/13/2019  | 8:00 AM   | 1/15/2019  | 4:30 AN   | N/A   | N/A  | 1/16/2015   | 10:30 AM  | 74  |
| HURLEY H26-730   | 05-123-46763  | None   | N/A  | 425904540  |  | 1/13/2019  | 8:00 AM   | 1/13/2019  | 10:30 PN  | n/A   | N/A  | 1/15/2019   | 8:15 AM   | 48  |
| EMMY STATE H25-785   | 05-123-46980  | None   | N/A  | 425904469  |  | 2/18/2019  | 9:00 AM   | 2/19/2019  | 12:00 AN  | N/A   | N/A  | 2/19/2019   | 2:00 PM   | 29  |
| EMMY STATE H25-777   | 05-123-46978  | None   | N/A  | 425904467  |  | 2/18/2019  | 9:00 AM   | 2/18/2019  | 8:00 PN   | n/A   | N/A  | 2/19/2019   | 1:30 PM   | 28  |
| EMMY STATE H25-771   | 05-123-46975  | None   | N/A  | 425904465  |  | 2/18/2019  | 9:00 AM   | 2/18/2019  | 12:00 PN  | n/A   | N/A  | 2/19/2019   | 1:00 PM   | 28  |
| HURLEY H26-712   | 05-123-46770  | None   | N/A  | 425930646  |  | 1/16/2019  | 9 11:30 AM  | 1/18/2019  | 9 8:15 AN   | N/A   | N/A  | 1/19/2019   | 9 10:15 AM  | 70  |
| HURLEY H26-724   | 05-123-46769  | None   | N/A  | 425904538  |  | 1/15/2019  | 9 11:00 AM  | 1/17/2019  | 9 8:45 AN   | n/A   | N/A  | 1/18/2019   | 2:00 PM   | 75  |
| HURLEY H26-717   | 05-123-46765  | None   | N/A  | 425904536  |  | 1/15/2019  | 1:00 PM   | 1/16/2019  | 9 4:30 AN   | n/A   | N/A  | 1/17/2019   | 7:00 AM   | 42  |
| EMMY STATE H2S-764   | 05-123-46973  | None   | N/A  | 425904463  |  | 2/20/2019  | 9 10:15 AM  | 2/21/2019  | 2:00 AN   | N/A   | N/A  | 2/21/2019   | 9 12:30 PM  | 26  |
| EMMY STATE H25-757   | 05-123-46974  | None   | N/A  | 425930641  |  | 2/20/2019  | 9 10:15 AM  | 2/20/2019  | 8:00 PN   | N/A   | N/A  | 2/22/2019   | 10:00 AM  | 47  |
| EMMY STATE H25-751   | 05-123-46977  | None   | N/A  | 425930629  |  | 2/20/2019  | 10:15 AM  | 2/20/2019  | 9 8:00 PN   | A N/A   | N/A  | 2/22/2019   | 9 10:15 AM  | 48  |
| EMMY STATE H25-744   | 05-123-46970  | None   | N/A  | 425904503  |  | 3/16/2019  | 8:00 AM   | 3/16/2019  | 9 8:45 AN   | n N/A   | N/A  | 3/18/2019   | 9 1:30 PM   | 53  |
| EMMY STATE H25-738   | 05-123-46972  | None   | N/A  | 425904501  |  | 3/16/2019  | 8:00 AM   | 3/17/2019  | 3:00 AN   | n N/A   | N/A  | 3/18/2019   | 12:45 PM  | 52  |
| EMMY STATE H25-731   | 05-123-46971  | None   | N/A  | 425904499  |  | 3/16/2019  | 8:00 AM   | 3/16/2019  | 9 12:15 PM  | n/A   | N/A  | 3/18/2019   | 9 12:30 PM  | 52  |
| INDEPENDENCE STATE D30-784   | 05-123-47687  | None   | N/A  | 425931887  |  | 4/18/2019  | 5:00 PM   | 4/18/2019  | 7:00 PN   | N/A   | N/A  | 4/19/2019   | 9 11:45 PM  | 30  |
| INDEPENDENCE D30-777   | 05-123-47684  | None   | N/A  | 425931896  |  | 4/18/2019  | 5:00 PM   | 4/18/2019  | 9 11:15 PM  | n N/A   | N/A  | 4/19/2019   | 9 12:15 PM  | 19  |
| INDEPENDENCE D30-770   | 05-123-47685  | None   | N/A  | 425931897  |  | 4/18/2019  | 5:00 PM   | 4/18/2019  | 9:15 PN   | n N/A   | N/A  | 4/19/2019   | 1:30 PM   | 20  |
| DOROTHY STATE LG16-785   | 05-123-47611  | None   | N/A  | 425927387  |  | 4/4/2019   | 6:00 PM   | 4/12/2019  | 9 4:00 PN   | n N/A   | N/A  | 4/16/2019   | 10:00 AM  | 280   |
| DOROTHY STATE LG16-776   | 05-123-47609  | None   | N/A  | 425927389  |  | 4/4/2019   | 6:00 PM   | 4/13/2019  | 9 1:00 AN   | n N/A   | N/A  | 4/16/2019   | 9 10:00 AM  | 280   |
| DOROTHY STATE LG16-766   | 05-123-47610  | None   | N/A  | 425927390  |  | 4/4/2019   | 6:00 PM   | 4/10/2019  | 9 1:00 AN   | A N/A   | N/A  | 4/16/2019   | 10:00 AM  | 280   |
| DOROTHY STATE LG16-757   | 05-123-47612  | None   | N/A  | 425927388  |  | 4/4/2019   | 6:00 PM   | 4/13/2019  | 9 1:00 AN   | A N/A   | N/A  | 4/16/2019   | 9 10:00 AM  | 280   |
| DOROTHY STATE LG16-729   | 05-123-47703  | None   | N/A  | 425927394  |  | 4/9/2019   | 2:30 PM   | 4/15/2019  | 4:30 PN   | n N/A   | N/A  | 4/16/2019   | 9 11:30 AM  | 165   |
| DOROTHY STATE LG16-748   | 05-123-47705  | None   | N/A  | 425927393  |  | 4/9/2019   | 2:30 PM   | 4/16/2019  | 2:30 PN   | n N/A   | N/A  | 4/17/2019   | 9:45 AM   | 187   |
| DOROTHY STATE LG16-739   | 05-123-47704  | None   | N/A  | 425927391  |  | 4/9/2019   | 2:30 PM   | 4/20/2019<br>4/21/2019   |   |   | 12:15 PM   | 4/22/2019   | 9 1:30 PM   | 311   |

| Facility Record No. * (Select from dropdown list - may need to scroll up ) | Duration of Recovery in Hours '(Not Required for Wells<br>Complying with \$60.5375off) (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)) | Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))  | Duration of Combustion<br>in Hours *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-<br>(B)) | Duration of Venting in Hours* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B)) | Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(8)) | Well Location * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iv)) | Specific Exception Claimed<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(M)) | Starting Date for the Period<br>the Well Operated Under<br>the Exception *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iv)) | Ending Date for the<br>Period the Well Operated<br>Under the Exception *<br>(960.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iv)) | Why the Well Meets the Claimed Exception * (\$60.5420a(c)(1)(iv)) and \$60.5420a(c)(1)(iv))  | Name of Nearest<br>Gathering Line *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-<br>(B)) | Location of Nearest Gathering<br>Line *<br>(560.5420a(b)(2)(i) and<br>560.5420a(c)(1)(iii)(A)-{8}) | Technical Considerations Preventing Routing to this Line (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B))             |
|--|---|---|---|--|--|--|--|---|---|--|--|--|---|
| HURLEY H26-736   | 30  | Majority of gas is used as instrument gas to control onsite equipment. Remainder is   | 30  | 44   | 4 Initial flowback   | (b) (9)  | Fechnical infeasibility under 60.5375 (a)(3).                                | 1/15/2019   | 1/16/2019   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see  | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas   |
| HURLEY H26-730   | 33  | ombusted.  Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.                                       | 33  | 14   | lnitial flowback   |  | Fechnical infeasibility under 60.5375 (a)(3).                                | 1/13/2019   | 1/15/2019   | explanations).  Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).   | Facility flow line   | On site  | does not meet spec.  Flow line not yet certified to accept gas and/or quality of gas does not meet spec.                    |
| EMMY STATE H25-785   | 14  | 4 Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 14  | 15   | 5 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 2/19/2019   | 2/19/2019   | Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).   | Facility flow line   | On site  | Flow line not yet certified to accept gas and/or quality of gas does not meet spec.   |
| EMMY STATE H25-777   | 17  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 17  | 11   | 1 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 2/18/2019   | 2/19/2019   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| EMMY STATE H25-771   | 25  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 25  | 1  | 3 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 2/18/2019   | 2/19/2019   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| HURLEY H26-712   | 26  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 26  | 44   | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 1/18/2019   | 1/19/2019   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| HURLEY H26-724   | 25  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 29  |  | 5 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 1/17/2019   | 1/18/2019   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| HURLEY H26-717   | 26  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 26  |  | 5 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 1/16/2019   | 1/17/2019   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| EMMY STATE H25-764   | 10  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 10  | 15   | 5 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 2/21/2019   | 2/21/2019   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| EMMY STATE H25-757   |   | 8 Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 38  | 5  | 9 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 2/20/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| EMMY STATE H25-751   | 38  | 8 Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 38  | 5  | 9 Initial flowback   |  | Technical infeasibility<br>under 60.5375 (a)(3).                             | 2/20/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| EMMY STATE H25-744   | 57  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 52  |  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 3/16/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| EMMY STATE H25-738   |   | 3 Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 33  | 15   | 9 Initial flowback   |  | Technical infeasibility<br>under 60.5375 (a)(3).                             | 3/17/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| EMMY STATE H25-731   |   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 48  | 0./  | Initial flowback   |  | Technical infeasibility<br>under 60.5375 (a)(3).                             | 3/16/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| INDEPENDENCE STATE D30-784   | -   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  Majority of gas is used as instrument gas | 120   |  | ) Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 4/18/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.<br>Flow line not yet certified to |
| INDEPENDENCE D30-770   |   | to control onsite equipment. Remainder is combusted.  Majority of gas is used as instrument gas   | 15  |  | ) Initial flowback   |  | Technical infeasibility<br>under 60.5375 (a)(3).                             | 4/18/2019   | 1   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).  Majority of gas is used for useful purpose; however,           | Facility flow line Facility flow line  | On site  | accept gas and/or quality of gas<br>does not meet spec.<br>Flow line not yet certified to                                   |
| DOROTHY STATE LG16-785   |   | to control onsite equipment. Remainder is combusted.  Majority of gas is used as instrument gas   | 10  |  | Initial flowback   |  | Fechnical infeasibility<br>under 60.5375 (a)(3).<br>Fechnical infeasibility  | 4/18/2019<br>4/12/2019  |   | wajority of gas is used for useful purpose; nowever, technical issues prevent use of remaining gas (see explanations).  Majority of gas is used for useful purpose; however,                 | Facility flow line   | On site  | accept gas and/or quality of gas<br>does not meet spec.<br>Flow line not yet certified to                                   |
| DOROTHY STATE LG16-776   |   | to control onsite equipment. Remainder is combusted.  Majority of gas is used as instrument gas   | 91  |  | 9 Initial flowback   |  | under 60.5375 (a)(3).  Technical infeasibility                               | 4/12/2019   |   | explanations).  Majority of gas is used for useful purpose; nowever, technical issues prevent use of remaining gas (see explanations).  Majority of gas is used for useful purpose; however, | Facility flow line   | On site  | accept gas and/or quality of gas<br>does not meet spec.<br>Flow line not yet certified to                                   |
| DOROTHY STATE LG16-766   |   | to control onsite equipment. Remainder is combusted.  Majority of gas is used as instrument gas   | 153   |  | 7 Initial flowback   |  | under 60.5375 (a)(3).  |   |   | technical issues prevent use of remaining gas (see explanations).  |  | On site  | accept gas and/or quality of gas<br>does not meet spec.<br>Flow line not yet certified to                                   |
|  |   | to control onsite equipment. Remainder is combusted.  |   |  |  |  | under 60.5375 (a)(3).  | 4/10/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | -  | accept gas and/or quality of gas does not meet spec.  |
| DOROTHY STATE LG16-757   |   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 81  |  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 4/13/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| DOROTHY STATE LG16-729   |   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 19  |  | Initial flowback   |  | Technical infeasibility<br>under 60.5375 (a)(3).                             | 4/15/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| DOROTHY STATE LG16-748   |   | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 19  |  | Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 4/16/2019   |   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |
| DOROTHY STATE LG16-739   | 48  | Majority of gas is used as instrument gas<br>to control onsite equipment. Remainder is<br>combusted.  | 48  | 262  | 2 Initial flowback   |  | Technical infeasibility under 60.5375 (a)(3).                                | 4/20/2019   | 4/22/2019   | Majority of gas is used for useful purpose; however,<br>technical issues prevent use of remaining gas (see<br>explanations).   | Facility flow line   | On site  | Flow line not yet certified to<br>accept gas and/or quality of gas<br>does not meet spec.                                   |

| Facility Record No. * (Select from dropdown list - may need to scroll up.) | Capture, Reinjection, and<br>Reuse Technologies<br>Considered *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-(B)) | Aspects of Gas or<br>Equipment Preventing Use<br>of Recovered Gas as a Fuel<br>Onsite *<br>{560.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)-(B)) | Technical Considerations Preventing Use of Recovered Gas for Other Useful Purpose * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B)) | Additional Reasons for Technical<br>Infeasibility *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)-{B}} | Well Location*<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)<br>and (C)) | Date of Onset of<br>Flowback Following<br>Hydraulic Fracturing or<br>Refracturing *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(ii)(A)<br>and (C)) | Time of Onset of<br>Flowback Following<br>Hydraulic Fracturing or<br>Refracturing *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A) and<br>(C)) | the Startup of Production *<br>(§60.5420a(b)(2)(i) and | Time Well Shut In and Flowback<br>Equipment Permanently<br>Disconnected or the Startup of<br>Production *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A) and (C)) | Duration of Flowback in<br>Hours *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)<br>and {C} | Duration of Combustion<br>in Hours *<br>(§60.5420a(b)(2)(i) and<br>§60.5420a(c)(1)(iii)(A)<br>and (C)) | Duration of Venting in<br>Hours *<br>(\$60.5420a(b)(2)(i) and<br>\$60.5420a(c)(1)(iii)(A)<br>and (C)) | Reason for Venting in lieu of Capture or<br>Combustion *<br>(560.5420a(b)(2)(i) and<br>560.5420a(c)(1)(iii)(A) and (C)) | Does well still meet the conditions of \$60.5375a(1)(iii)(A)? * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2)) |
|--|--|---|--|--|--|--|---|--|--|---|--|---|---|---|
| HURLEY H25-736   | Compression equipment not feasible.  |   | None. Used as instrument gas to control onsite equipment.  | None.  | (b) (9)  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| HURLEY H26-730   | Compression equipment not feasible.  |   | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-785  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-777  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-771  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| HURLEY H26-712   | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| HURLEY H26-724   | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| HURLEY H26-717   | Compression equipment not feasible.  |   | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-764  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-757  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-751  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-744  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-738  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| MMY STATE H25-731  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| NDEPENDENCE STATE D30-784  | Compression equipment not feasible.  |   | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| NDEPENDENCE D30-777  | Compression equipment not feasible.  |   | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| NDEPENDENCE D30-770  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| OOROTHY STATE LG16-785   | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| DOROTHY STATE LG16-776   | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| OOROTHY STATE LG16-766   | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| OOROTHY STATE LG16-757   | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| OROTHY STATE LG16-729  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| OROTHY STATE LG16-748  | Compression equipment not feasible.  |   | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |
| OROTHY STATE LG16-739  | Compression equipment not feasible.  | Gas quality.  | None. Used as instrument gas to control onsite equipment.  | None.  |  | N/A  | N/A   | N/A  | N/A  | N/A   | N/A  | N/A   | N/A   | N/A   |

| Facility Record No. *  (Select from dropdown list - may need to scroll up.) | If applicable Date Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2)) | If applicable: Time Well Completion Operation Stopped * ((\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2)) | ((§60.5420a(b)(2)(i) and | If applicable: Time Separator Installed  ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2)  ) | reasonable inquiry, the statements and information in the document are true, accurate, and complete. | Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment (\$60.5420a(c)(1)(v)) Please provide only one file per record. | Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(8)) | Please provide the file name that contains the Record of Analysis Performed to Claim Well Meets §60.5375a/g), including GOR Values for Established Leases and Data from Wells in the Same Basin and Field * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(v)(i)A)) Please provide only one file per record. | Does the well meet the requriements of \$60.5375a(g)?  Based on information and belief formed after reasonable inquiry, the statements and informatio in the document are true, accurate, and complete. ((\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(vi)(C)) |
|---|---|--|--------------------------|---|--|--|--|---|--|
| URLEY H26-736   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  | (b) (9)  | N/A   | N/A  |
| URLEY H26-730   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-785   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-777   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-771   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| URLEY H26-712   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| URLEY H26-724   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| URLEY H26-717   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-764   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-757   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-751   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-744   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-738   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| MMY STATE H25-731   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| NDEPENDENCE STATE D30-784   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| NDEPENDENCE D30-777   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| NDEPENDENCE D30-770   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| OROTHY STATE LG16-785   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| OROTHY STATE LG16-776   | N/A   | N/A  | N/A                      |   |  | N/A  |  |   | N/A  |
|   |   |  |                          | N/A   | N/A  |  |  | N/A   |  |
| OROTHY STATE LG16-766   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| OROTHY STATE LG16-757   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| OROTHY STATE LG16-729   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| OROTHY STATE LG16-748   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |
| OROTHY STATE LG16-739   | N/A   | N/A  | N/A                      | N/A   | N/A  | N/A  |  | N/A   | N/A  |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each centrifugal compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(3)(i) through (iv) of this section in all annual reports:

| The asterisk (*) next t   | o each field indicates th                | at the corresponding field is required.   |   |   | Ce   | ntrifugal Compressors Required to Comply   | with §60.5380a(a)(2) - Cover and Closed Vent System Requirements   |
|---|--|---|---|---|--|--|--|
| Facility Record No. * (Select from dropdown list - may need to scroll up) | Compressor ID *<br>(§60.5420a(b)(1)(ii)) | For centrifugal compressors using a wet seal system, was the compressor constructed, modified or reconstructed during the reporting period? *  (§60.5420a(b)(3)(i)) | Deviations where the centrifugal compressor was not   | Record of Each Closed Vent System Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(6)) | Record of Each Cover Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(7)) | If you are subject to the bypass requirements of §60.5416a(a)(4) and you monitor the bypass with a flow indicator, a record of each time the alarm is sounded. *  (§60.5420a(b)(3)(iii) and §60.5420a(c)(8)) | If you are subject to the bypass requirements of §60.5416a(a)(4) and you use a secured valve, a record of each monthly inspection. *  (§60.5420a(b)(3)(iii) and §60.5420a(c)(8)) |
|   | e.g.: Comp-12b                           |   | e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the compressor. | detects observed. No detectable emissions   | e.g.: Annual inspection conducted on<br>12/16/16. No defects observed.       | e.g.: On 4/5/17, the bypass alarm sounded for 2 mintues.   | e.g.: Monthly inspection performed 4/15/17. Valve was maintained in the non-diverting position. Vent stream was not diverted through the bypass.                                 |

Noble Energy, Inc. Not applicable. Noble Energy, Inc. did not operate any centrifugal compressor affected facilities at its assets in Weld County, CO during the August 2, 2018 through August 1, 2019 reporting period.

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each reciprocating compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(4)(i) and (ii) of this section in all annual reports:

## The asterisk (\*) next to each field indicates that the corresponding field is required.

| Facility Record No. * (Select from dropdown list - may need to scroll up) | Compressor ID *<br>(§60.5420a(b)(1)(ii)) | Are emissions from the rod packing unit being routed to a process through a closed vent system under negative pressure?  * (§60.5420a(b)(4)(i)) | If emissions are not routed to a process through a closed vent system under negative pressure, what are the cumulative number of hours or months of operation since initial startup or the previous rod packing replacement (whichever is later)? *  (§60.5420a(b)(4)(i)) | Measurement * (§60.5420a(b)(4)(i)) | Deviations where the reciprocating compressor was not operated in compliance with requirements* (§60.5420(b)(4)(ii) and §60.5420a(c)(3)(iii)) |
|---|--|---|---|------------------------------------|---|
|   | e.g.: Comp-12b                           | e.g.: no  | e.g.: 2   | e.g.: months                       | e.g.: Rod packing replacement exceeded 36 months. Replacement occurred after 37 months.   |

Noble Energy, Inc.

Not applicable. Noble Energy, Inc. did not operate any reciprocating compressor affected facilities at its assets in Weld County, CO during the August 2, 2018 through August 1, 2019 reporting period.

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

The asterisk (\*) next to each field indicates that the corresponding field is required.

|   |  |  |                         |   | Pneumatic Controllers with a Natur   | ral Gas Bleed Rate Greater than 6 scfh                                 |   |
|---|--|--|-------------------------|---|--|--|---|
| (Select from dropdown list - may need to scroll up) | Pneumatic Controller<br>Identification *<br>(§60.5420a(b)(1)(ii),<br>§60.5420a(b)(5)(i), and<br>§60.5390a(b)(2) or<br>§60.5390a(c)(2)) | Was the pneumatic controller constructed, modified or reconstructed during the reporting period?  (§60.5420a(b)(5)(i)) | (§60.5420a(b)(5)(i) and | Year of Installation, Reconstruction,<br>or Modification*<br>(§60.5420a(b)(5)(i) and<br>§60.5390a(b)(2) or §60.5390a(c)(2)) | Documentation that Use of a Pneumatic<br>Controller with a Natural Gas Bleed Rate<br>Greater than 6 Standard Cubic Feet per<br>Hour is required *<br>(§60.5420a(b)(5)(ii)) |  | Records of deviations where the pneumatic<br>controller was not operated in compliance<br>with requirements*<br>(§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v)) |
|   | e.g.: Controller 12A   | e.g.: modified   | e.g.: February          | e.g.: 2017  | e.g.: Controller has a bleed rate of 8 scfh.   | e.g.: safety bypass controller requires use of a high-bleed controller | e.g.: Controller was not tagged with month and year of installation.  |

Noble Energy, Inc. Not applicable. Noble Energy, Inc. did not operate any pneumatic controller affected facilities at its assets in Weld County, CO during the August 2, 2018 through August 1, 2019 reporting period.

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each storage vessel affected facility, an owner or operator must include the information specified in paragraphs (b)(6)(i) through (vii) of this section in all annual reports:

The asterisk (\*) next to each field indicates that the corresponding field is required.

| Facility Record N<br>(Select from<br>dropdown list -<br>need to scroll u | (§60.5420a(b)(1)(ii)<br>and §60.5420a(b)(6)(i)) | Was the storage vessel constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(6)(i)) | Latitude of Storage Vessel<br>(Decimal Degrees to 5<br>Decimals Using the North<br>American Datum of 1983)<br>* (§60.5420a(b)(6)(i)) | to 5 Decimals Using the | documentation of the VOC emission rate  | Records of deviations where the storage vessel was not operated in compliance with requirements * (§60.5420a(b)(6)(iii) and §60.5420a(c)(5)(iii)) | Have you met the requirements specified in §60.5410a(h)(2) and (3)?* (§60.5420a(b)(6)(iv)) | Removed from<br>service during the<br>reporting period? *<br>(§60.5420a(b)(6)(v)) |
|--|---|---|--|-------------------------|---|---|--|---|
|  | e.g.: Tank 125                                  | e.g.: modified  | e.g.: 34.12345   | e.g.: -101.12345        | e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information. | e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel.                             | e.g.: Yes  | e.g.: Yes   |

Noble Energy, Inc. Not applicable. Noble Energy, Inc. did not operate any storage tank affected facilities at its assets in Weld County, CO during the August 2, 2018 through August 1, 2019 reporting period.

| the contract or region              | of Parliamance for Coals Oil and Natural Gas Facilities for which<br>we emissions components at each well site and the collection of fa- |                          |  |   |           |                           |                           |  |                    |  |          |                             |   |                    |  |                                 |                          |                                 |  |  |  | 10  | _    | Statio                     |
|-------------------------------------|--|--------------------------|--|---|-----------|---------------------------|---------------------------|--|--------------------|--|----------|-----------------------------|---|--------------------|--|---------------------------------|--------------------------|---------------------------------|--|--|--|---|------|----------------------------|
| adental (*) med to sad              | a field subspine that the surresponding field is resoured.   |                          |  | 900   | d Antonio | Say Conditions            | Manager William           |  | lessatur<br>1 ham  | Type of Component  | distant  | paid Star<br>species of the | ther Tape of                            | d Surbo<br>of Extl | Topal of<br>Direction to<br>Manufactor | Skinber<br>of Each<br>Unide to  | Second Secondal Separate | Type of<br>Compose<br>on Placed | State<br>of talk<br>Corpore            |  | *upo of entrument road to femorely<br>deposed Components for Reported      | Travering and Expertence of Surveyor * (NEELECTROS)   | 12   | TOTAL<br>COLUMN            |
| in Record No. *<br>I from dropdown  | Specification of Sent Afforder Facility 1 (860 HZ/60/821)  | San of Scores*           | Survey (ingo: Time *<br>(\$40.540%)(\$70.0)  | Survey (nd Time * 1<br>(pin 540 hub (7)(1) (\$10.54<br>ab (7) | De Savey  | During Summy *            | Suring<br>Survey*         | Mustaring infrarest theil*<br>(860 SEXMEDTINE)                           | g/francis<br>none, | for which highler<br>formation Debuted <sup>2</sup><br>(sub SEDINGETSWIT | or Which | paired ou?                  | topic Messile<br>of Compo-<br>sired esp | ne Myrete          |  | Stirrator<br>Compone<br>or Type | (800.540-0.007/8-0       |                                 | Michigan<br>Michigan<br>Dejay of       | September for Cells of Report 1000 (400-0470-01) | Sea S420-89(78+8   |   | 10.1 | 0.1397<br>0.1397<br>0.1397 |
|                                     |  |                          |  | 1   | (961.142) |                           | (\$60 3470)<br>whitefalls |  | 1000               |  | man.     | _                           | Monte                                   | 10.70              | 44.700                                 | Minches .                       | ex HOUSE                 | #4: Yelle                       | ************************************** | #4 : Hotels to report settlement plumblases      | eg - Company ASK optical gas imaging o                                     | a 6.4. Trained the magnipus: completed 46-boar course at 612 Training (minim top 4 years of segar wine with 616 to  | 93   |                            |
|                                     |  |                          | 1112   | 14:100am  | 4,977     | Na Supra re-char          | ng. Trout                 | e & Company AMC optical gas arraging o                                   | nig ho             | rg. tides 1  |          | VINE 16                     |   | he sg. 1           | 14.700                                 |                                 | NA TOTAL                 | 9.3                             |  | 93   | DG Cames-Gh:520:24 ID# 74900075  | Trained there agreemen, completed 40-hour course in Demetr, CO, max 5 years of experience with OG nerveys.<br>Trained there agreemen, completed 40-hour course in Demetr, CO, max 5 years of experience with OSI surveys.   | 9/8  |                            |
|                                     | 44: Well Str. RK   |                          | 2018-08-0433-1400                            | 2028-08-04-22-20/08   | 276       | Clear                     | SS MEN                    | DG-Camera-Gruit 25 24 GW 74060875  | 100                | N/A  | 100      |                             |   | 1074               | 16/8                                   |                                 | N/A                      | may be                          | 4                                      | N/A  | OG Cames-6h030 24 De 14900075  | Training to the Company of the State of the Company of Company of State of | 76.0 | (A                         |
|                                     | DETRICH THE REWINSFULL   |                          | 2018-08-04 (3-4) 00                          | 2018/08/04 12:27:00   | No.       | Clear                     | 35 MPH                    | OG: Camera-67x530 34 CM 74900075   |                    | 10   | - 2      |                             |   | 100                | 16/46                                  |                                 | NA                       | 19/10                           |  | 16/4   | 00 Carriero -GFA020 24 (04 7 (9000)75                                      | Trained street consistent in terral and Applications in Service, CD, Max 5 years of experience with CRD services.   | 90   |                            |
| -                                   | Tomatham Platte valies the Attento 103 (III)   |                          | 2018-08-04 12-49-00                          | 2018-09-04 16/00:00   | 275       |                           | 32 MIN                    | DG Camera GF1620 24 CM 74900875  | 9076               | 55   |          |                             |   | 16/16              | N/A                                    | N/W                             | 16/8                     | 16/6                            |  | N/A  |  |   | 16.0 |                            |
| nurgy, Inc.                         |  |                          | 2018-08-08-02 39-00                          | 2018/06/08 09:58:00   | 675       |                           |                           | 00: Camera-GN-020 24 CM 74900075<br>DG: Camera-GN-020 24 CM 74900075     |                    | Yeller I   | 100      |                             |   | 8/8                | 9/4                                    |                                 | 2018-08-08               | N/A                             |  | N/A  | OR Comes division of the feedbern  |   | 100  |                            |
| nergy, rsc.<br>nergy, rsc.          | LAPP ALE ECONODIC THE READ SCI LUSS  |                          | 2018-09-08 18-01-00                          | 2018-00-08:26:23:00   | 67        | Clear                     | TO Make                   | DG: Camera-Grid20 24 CM 74869075   | NOW                | Consector  | - 10     |                             |   | 96/46              | N/A                                    | 16/34                           | 20129-09-09              | 100                             |  | 100  | 06) Carters-674/00 24 OW 769/00/75   | Franced thermographer, completed 40-hour course in Demier, CO. Has 5 years of experience with CO. In the  | 20   |                            |
| Cuergy, oc.                         | LAPP ALTS ECONODE TOWNSHIP \$13 Lifts  |                          | 2018-08-08 14:01:00                          | 2018-08-08 16-25-00   | Sec.      | Char                      | A MEN                     | DG Camera G/s020 24 DK 74560075  | NOW                | Conseilor  | - 10     |                             |   | 40                 | NA                                     | N/A                             | 2018-08-09               | NA.                             |  | 10   | 09 Cames-67x300 34 06 74900075   | Trained thermographier, completed 40-bour course in Debute, CO, Yu. 5 years of expension of the   | 20   |                            |
| (April 190                          | WELLS RANCH AND SCORE OF THE RIGHT SET UT  | 2018-08-09               | 2018-08-09 (1) 44-00                         | 2018-08-09 13:32:00<br>2018-08-09 13:32:00                    | 97        | Chest                     | 1 MPH                     | DG: Camera-GN/000 34 GM 74900075   | NOW                | Yahe   | - 4      |                             |   | 9/4                | 100                                    | 10                              | SCHOOLS<br>NA            | 22                              |  | 50.  | 00 Carriera-67432024 DK 74900075   | Trained there agregater, completed 40-foor course in Denies, CO. No. 3 years of experience with OOI service.  | 16/3 |                            |
| Europi, Inc.                        | WITHS RANCH ARZS RECINEDS THE-RETHE-523 LITS   |                          | 2028-08-09 11-04 00                          | 2018-08-09 14-51-00   | 100       | Clear                     | 5 MEN                     | DG Carneti-GridCD 24 D# 74960675   | 10%                | 50   | -        |                             |   | 10/4               | 10/4                                   | 10.00                           | 2018-08-01               | 10/8                            |  | 8/8  | DG Camera-GPs520 24 DW 74900075  | Trained Stemmographer, completed 40-boar course in Demoir, CO, may 5 years of experience with CO: normely,<br>Trained stemmographer, completed 40-boar course in Demoir, CO, then 5 years of experience with CO: normely,<br>and other courses of the course of Demoir, CO, then 5 years of experience with CO: normal courses.   | 16   | ė                          |
|                                     | WELLS RANCH AASS SCONGOS TON-RESW 523 UTL  |                          | 2018 00:09 13:58:00<br>2018 08:31 08:45:00   | 2018-08-01 08 50:00   | 40"7      | Partly Cloudy             | 10 MPH                    | DG Camera-GhiCSD 24 CM 74900075  | NO NO              | Yake   |          |                             |   | 19/4               | N/A                                    | N/R                             | 2018-09-27               | 56/8                            |  | N/A  | (IG Carvers-GFx520 24 CW 74900075  |   | N    |                            |
|                                     | CHECKETTS WERKE TAN RESWISS SCI.   | 2018-09-02               | 2018/09/07 13:06:00                          | 1038-09-02 14-43-00   | 14"5      |                           |                           | OG: Camero GNO30 24 GW 749000 TS   |                    | Connector  |          | _                           |   | 16/4               | 16/8                                   | N/A                             | 2018-09-37               | 16/6                            |  | N/A  | (iii) Camera-GFs326 24 (04 749)(0075                                       | Trained thermographies crandated 40 hour course in Danier, CO. Has 3 years or expension with our response   | N    |                            |
| Inorgy, Inc.                        | SHUPLY STATE YOU SEA SCONDOR TON-REPROSE UP:<br>SHUPLY STATE YOU SEA SCONDOR TON-REPROSE UP:   | 2018-09-02               | 2018-69-62 13 (96.00)                        | 2018-09-02 14:47:06   | 16"7      |                           | 10 MPH                    | DG Camera-Grut30 34 G# 74900075  | NOW                | PRO PRIV   |          |                             |   | N/A                | N/A                                    | 16/2                            | 2018-09-02               | 16/4                            |  | N/A  | (II) Camery-G1x120 24 DR 14900075  | Trained the moreover, compared 40-hour counts in Denser, CO, was 5 years of expension with Oto Serveys.   |      |                            |
|                                     | SHUTLY STATE YEAR OR A SCINUON TOWNSHIP GRADE.   | 201 F FFF 4235.          | 2018/09/02 13:09:00                          | 2018-09-02:24:43:06   | 47        | rursy Cloudy              | 20 4674                   | DG Camera-Ghid20 24 GB 740000 FS.<br>DG Camera-Ghid20 24 GB 740000 FS.   |                    | 9/8  |          | _                           |   | N/A                | N/A                                    | N/A                             | N/A                      | 4/4                             |  | N/A  | OB Camero-65x320.34 De 149x00075   | Support the property of the contract at the property of Sensor (C. man 5 years of experience with OCC nursely).   | 2    |                            |
| Energy, roc.                        | LIFEC TAIN-RETIR (B) (D)   | 2038-09-04               | 20125-09-04 14 59-00                         | 2018-09-04 25:31:00   | 10.0      | Family Cloudy<br>Descript | Total March               | DG Careers 6/x530.34 CB 74969575   |                    | 8/8  |          |                             |   | 36/36              | 76/8                                   | 16/16                           | N/A                      | 5/8                             |  | 88   | DG Camera-GRADEDA DE TENDOTS   | Transact theremone their immediated 40 hour countries in Denver, CD, was 5 years of experience with Ote surveys.  | - 3  |                            |
| Country, Inc.                       | SHADOW AAJE ECONOOK TON HERW SIG LOT.  | 2018-09-09               | 2018/09/05 09:18/00                          | 20108-09-01-09-10-08  | 12"       | Overself                  | DO MARK                   | OG: Camero-GP4530 JA COR 749095175                                       | NOME               | N/A  |          | _                           |   | M/A                | 16/4                                   | 16/4                            | 2018-09-20               | 50                              |  | 55   | OS: Camera-GFx120:24 DW 14900117   | Transact the recognition of completed 40-hour coupus in Demon, CD. Has 5 years of experience with the normalist   | ,    |                            |
| harge re-                           | 20 BANCH STATE BELT ECONODE TIM-RETWITLT LITE  | 3019-09-05               | 2018-09-03 11:05:00                          | 2018-05-05 11 59-05<br>2018-05-05 13 40-05                    | 10.0      | Oversant                  | 30 MPV                    | 00 Carrery-07x320 24 (54 74900113  | HOW                | Value  |          |                             |   | Note               | N/A                                    | 5/3                             | \$/A                     | 10.00                           |  | N/A  | OS: Camera-Ghu320 24 598 149400075   | trained thermographer, completed 40-hour course in Denier, CD. Has 5 years of experience with OQI ourseps.  Trained thermographer, completed 40-hour course in Denier, CD. Has 5 years of experience with OQI surveys.  |      |                            |
| Creengy, Inc.                       | WELLS NAMES ALSO ELONGON TON 962W-532 (IT)   | 2019-06-06               | 2018-09-06 12-48-00 2018-09-08 14-57-00      | 2018-09-08 14:52:00   | 1276      | Owercast                  | 10 MEFH                   | DG: Camera-GFx830 24 ED# 74900E75  | 160,760            | 16/8   |          |                             |   | N/A                | N/A                                    | 10.0                            | 5/4                      | N/A                             |  | 5/6  | 00: Carrery-07520 (54 4440) 746  |   |      |                            |
| Energy, rec.                        | MELLS RANCH ARZO SCONCOR TON ARZW-520 (ID)   | 2018-09-06<br>2018-05-18 | 2018-00-18 12 28 00                          | 2918-49-18 12:50:00   | 83%       | Chest                     | 35 MEH                    | DG: Camero-G/320 (0# 44401746  | NONE               | NEW  |          |                             |   | 16/6               | 50                                     | 8/8                             | N/A                      | No.                             | 0                                      | NA   | OG: Carrers-GPx320 24 G6 74900075  |   | ,    |                            |
| Lucype Inc.                         | WELLS BANCH STATE ASK ECONODE TON RETW-DIT 18TO  | 2018-09-18               | 2018-00-18 13 (99-00)                        | 2018 09:1813-57:00  | 13"1      | Chor                      | 20 MPN                    | DG: Camera-Grad 20 24 GR 74900075  | NOW.               | NAME   |          |                             |   | 9/8                | 16/4                                   | 16/6                            | 2018-09-27               | N/A                             |  | N/A  | Oli Camera-Ghillion 24 Del 14900075<br>Oli Camera-Ghillion 24 Del 14900075 | Trained there retrailer, completed 40-hour course in Denier, CO. Has 5 years of expension with OUI surveys.   | ,    |                            |
| nergy, rec                          | WELLS NAMED STATE BRIEF SCONGER TSN-REPW 63 (III)<br>OSCAR Y 10 SCONDOC TSN-REAW 530 (III)   | 2018-09-19               | 2018-09-19 15-40-00                          | 2018-09-1917-010  | 857       | Rently Cloudy             | (), MPH                   | DG: Camero-67x330 24 Od 74980075   |                    | Consider   |          |                             |   | 8676               | N/A                                    | mile.                           | 2018-09-19               | 19/86                           |  | 16/4   | Oli Camero-Gratizo 24 De 749/0113  | Trained thermographer, completed 45-hour course in Denvey, CO. Has 3 years of experience with Old surveys.  |      |                            |
| curryo, Inc.                        | OSCAR TID SCOMDOS TON RIMIN GOD LESS   | 2008-09-19               | 2018-00-1913-9690                            | 2018-09-1917-010  | 85"1      | Farely Cloudy             | IS MIN                    | OG: Camera-GN-020 24 CW 74900075<br>DG: Camera-GN-020 24 CW 749000 LB    | W200               | 16/4   |          |                             |   | mg/m.              | 16/16                                  | 196/4                           | N/A                      | N/A                             |  | 5/4  | OG: Camera-GFx320.24 D# 74900113   | Trained thermiseppher, completed 40-hour course in Denver, CD. Non 5 years of expension with OGI surveys.   | 1    |                            |
| Sorge, Inc.                         | DILLARD SHABLE USKT7N-NEW (3.1.10)   | 2018-09-25               | 2028-09-29 12:19:00                          | 2018-89-23 52 01/0  | 2019      | Chear                     | S SEPRE                   | OG: Camera-GPx330-24 (S# 74900) 13                                       | NOW                | Connector  |          |                             |   | No.                | N/A                                    | 16/6                            | 3018-09-21               | N/A                             |  | N/A  | OU Camera GFx320/24 DM 74900/113   | Is used there arrester, consisted 40 hour course in Denvey, CD, was 3 years of experience with Our service.   | - 1  |                            |
| Energy, Inc.                        | WELLS RANCH BIRD, AFOS ECONODE TSN-REPH-51 (RE   | 2018-09-23               | 2038-09-23 [3:34-00]                         | 2018-09-23 17:13:00   | 6877      | Chear                     | LO MEN                    | OG: Camero-GPx520 24 IDE 749001 L3                                       | NONE               | Connector  | 2 16     |                             |   | N/A                | N/A                                    | 16/16                           | 2018-50-14               | N/A                             |  | N/A  | Oli Camera-GFx520-24-Die 74900115  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys   |      |                            |
| Energy, Inc.                        | WELLS RANCH BRIS AND ECONODE TSN-RESW-51 (7)   | 2018-09-33               | 2018-09-23 15:38:00                          | 2018-09-23 17:11:0<br>2018-09-23 17:11:0                      | 087       | Clear                     |                           | OG: Camera GF4320 34 IO# 749005 [3                                       |                    | Value.   | 1 4      |                             |   | Ng/A               | N/A                                    | 16/K                            | 2018-09-21               | N/A                             |  | 1/4  | DGI Camero GFx320:24 DW 74990113   |   |      |                            |
| Energy, ox.                         | WELLS RANCH BRIS ARES ECONODE TSN-REPW-ST LRS.   | 2018-09-23               | 2018-09-23 13:38-00 2018-09-23 13:38-00      | 2018-09-23 17:12:0  | 100.1     | Olean                     | 30 MPH                    | DIS-Camera-Ghi320 24 ID# 749005 13                                       | NONE               | Vilve  | 1 4      |                             |   | 10/4               | N/A                                    | N/A                             | N/A                      | 10/16                           | 0                                      | 5/4  | OG: Carriera-GF4520.34 DW 74900113   |   |      | ř                          |
| Energy, Inc.                        | WELLS RANCH ERDS AND ECONODE TEN-HERWISS LITS  | 2018-09-21               | 2018-09-29 (0.46/00                          | 2016-09-29-09-20-0  | 42"7      | Overtant                  |                           | DG: Camera-GPx830 34 IOR 74969075  |                    | 16/8   |          |                             |   | 19/4               | N/A                                    | 9.9                             | 201.6-09-29              | NO.                             |  | N/A  | OGi Carriera-GFx320 24 GW 74900675   |   |      | ١                          |
|                                     | WELLS RANCH BALL RECONDOL TOW 465W-51.1 (2)  | 2018-09-29               | 2018-00-29-09-42-00                          | 2018-09-29 11:00:0  | 46"       | Partly Cloudy             | S-MITH                    | DG: Camero-GFx330 24 IOR 74949675  | NONE               | Value<br>Connector   |          |                             |   | 19/0               | 9/4                                    | 19/9                            | 2018-16-25               | N/A                             |  | 16/8   | OG/Camera-GFx32014 GW 74900075<br>OG/Camera-GFx32014 GW 74900075           | Transmit thermographer: completed 40-facer course in Demer, CD. Has 5 years of experience with CRU burverys.  |      | ,                          |
| Energy, Inc.                        | WELLS HANCH HAZS & 25 ECONODE TEN-HERW-525 (8)<br>CROW CREEK ST ACSS & SAGE ECONODE T79-HERW-535 (8)                                     | 2018-09-29               | 2018-09-19 12 39:00                          | 2018-09-29 17-49:0  | 68.0      | <b>Furthy Cloudy</b>      |                           | OG: Camera-Grid 20 24 IOF 1490 RETS                                      |                    |  |          | (A N/A                      |   | 16/4               | N/A                                    | 16/6                            | 16/8                     | 1674.                           | 0                                      | N/A  | OG/ Camera-GFx320 24 OW 74900075   | Trained there-perspher, completed 40-hour course in Denvey, CO. Has 5 years of experience with Otal surveys.  |      |                            |
| Energy, Inc.                        | AGGIE-COLT AALT ECONODE TEN RESW-517 (0)   | 2018-09-29               | 2018-09-29 14:07:00                          | 2018-09-79 15:00:0  | 53.6      | Furthy Cloudy             |                           | OG: Camera-GFx320 24 ID# 74900075<br>OG: Camera-GFx320 24 ID# 74900075   |                    |  |          | /A N/4                      | N/A                                     | 19/4               | N/A                                    | 16/6                            | 2018-10-02               | N/A.                            | 0                                      | N/A  | OG: Camera-GFx320 24 GW 74900075   | To lead the reconstruction consolisted 80-forur course in Demver, CO. Han 5 years of experience with Old not verys.   |      |                            |
| Brungy, INC.                        | MOSER HZZ H34 ECONDOS TEN RESWI-527 LGS  | 2018-10-07               | 2018-10-02-12-22-00                          | 2018-10-02 13:18:0  | 69"       | Furth Cloudy<br>Clear     |                           | DG: Camera-Ghid 20 24 ID# 74900075                                       |                    |  | 1 6      | (A 10/2                     |   | 16/8.              | N/A                                    | ng/a.                           | 2018-10-04               | N/A                             |  | 5/8  | 06/ Camera-GFvS30 34 6W 74900075   | Trained thermographer, correlated 40-hour course in Deniver, CO, Han 5 years of expensive with User surveys.  |      |                            |
| Energy, Inc.                        | Y21 WASTE MANAGEMENT (CONDOC T29-RE4W-021 Life   | 2018-10-04               | 2018 10 04 08 13 00                          | 3818-10-0409 51-0<br>2818-10-07 11-19-0                       | 92.7      | Dygraat                   | 10 MPM                    | 00: Camera GH020 24 0# 74900113  | NONE               | N/A  |          | IA NO                       |   | 16/16              | N/A                                    | 10/4                            | 50                       | 16/8                            |  | 3/8  | OSI Camero-GFx820 24 DW 74900113   |   |      | ì                          |
| Energy, Inc.                        | WELLS RANCH/WELLS BENCH STATE AFRIS SCOROOK TUR-HILLW-I  | se 2018-10-07            | 2018 10-07 10:51:00                          | 2008-00-07 12:5000  | 667       | Clear                     | 30 MM                     | OG: Camera-674520 24 CM 78909075   | NONE               | 16/K   |          | (A. 16)                     |   | 16/4               | N/A                                    | 8/8                             | 54                       | 10/4                            |  | 5/8  | 06: Camero-GFx320 24 DM 74900075   |   |      | į                          |
| francy, inc.                        | LD22-A ECONODE TEN-RISHW-527 (D)   | 2018-10-19               | 2018-10-13 12-14-00                          | 50/16-10-13 23 22-1   | 457       | Clear                     | 20 MFH                    | OG: Camero-GFx330 34 (0# 7490007)  | NONE               | N/A  |          | UR NO                       |   | N/A                | N/A                                    | 9/9                             | 2016-10-14               | No.                             |  | N/A  | OG/ Camera-Gh/320 24 OB 74900075   |   |      | ,                          |
| Energy, Inc.                        | LDDS GREYSON-BRECKEN THE RUNW-528 LDS  | 2018 10-13               | 2018-10-14 13:16-00                          | 2018-10-14 12:984   | 24%       | Overset                   | 15 MEN                    | OG: Camero-GPx520 24 IO# 74900075  | NONE               | Connector  |          | VA 767                      |   | N/A                | NA                                     | 16/8                            | N/A                      | N/A                             |  | N/A  | OGi Camera-GFx320 24 IDE 74900075<br>OGI Camera-GFx320 24 IDE 74900113     |   |      | į                          |
| Energy, Inc.                        | LD19-16 ECONODE T9N-858W-519 UFL   | 2018-10-14               | 2018-10-14 12:43:00                          | 2018-10-14 13 35 6  | 26°F      | Overcan                   | 15 MPH                    | OG: Camero-GFx320 24 IO# 74900075  | NONE               | 19/4.<br>Connector   |          | VA. NO                      |   |                    | NA                                     | N/A                             | 2018-10-18               | N/A                             | 0                                      | N/A  | OG/ Camera-GFx320:24 (bit 74900:115  | Trained thermographer, completed 60-boar pourse to Denver, CD. Han 3-years of experience with the surveys.  |      | 1                          |
| Energy, inc.                        | OSCAR VID ICCINCOS TON REAW SID LICE   | 2018-10-18               | 2018 10-18 (0) (7-0)                         | 2010-10-18 12-20-0  | 49"       | Clear                     | 10 MIN                    | OG: Camero-GFx220 24 IO# 74900113  | NO ME              | PRO-TH VACUUM DA   |          | (A N/I                      |   |                    | N/A                                    | 16/31                           | 2018-11-10               | NA                              |  | N/A.   | DG: Cameria-GFx320.24 (04 749(8).13  | Trained the respective completed 40 foor course in Denver, CO. Han 5 years of experience with Oto turneys   |      | 1                          |
| Energy, oc.                         | OSCAR Y10 ECONDOC TON-ASSAW 510 LIST   | 2018-10-18               | 2018-10-18 09:27 00                          | 2018-10-18 12:20-0  | 4977      | Clear                     | SE MAN                    | OS: Camera-GF4520 24 GB 749005 LS<br>OS: Camera-GF4520 24 GB 749005 LS   | NOW                | PRO-TH OTHER   |          | (A 16)                      |   |                    | NA                                     | N/A                             | 2018-13-10               | N/A                             |  | N/A<br>N/A                                       | OS: Camera-GP±520 24 (06 74800113  | Southed the recognition completed 40-hour course in Deture, CO. Has 5 years of expensions with this surveys.  |      |                            |
| e Energy, rec.                      | OSCAR Y10 (CONDOS 129-NAW 530 UZZ  | 2018-10-18               | 2018-10-18-09:27:00                          | 2018-10-18 12:264   | 49"       | Clear                     | 12 6674                   | 00: Camera-Ghi-120 24 GW 78985518  | NONE               |  | 1 1      | VA NO                       |   |                    | N/A                                    | May .                           | 2019-19-18               | 10/10                           |  | 1/4  | 06) Cornero-GF-320 24 (08 7490011)   | Transact the company of the Company of Design Company of Design Company of September 2011   |      |                            |
| e franço, rec.                      | OSCAR V10 ECORDOF TOW-RISHW-510 USZ  | 2018/07/18               | 2618-10-18 (9-27:00                          | 2018-10-18 11 26 6  | 0.677     | Clear                     | 12 680%                   | OG: Camero-G/x530 34 (08 74900) 18                                       | NONE               | Connector  |          | 49 N                        |   |                    | N/A                                    | N/A                             | 23-3-5                   | N/A                             |  | N/A  | 050 Camera-GPx520 24 GW F4900151   |   |      |                            |
| Energy, Inc.                        | LCZZ - A SCOMOON THIN HAVE SZZ UZZ.  | 2019-10-20               | 2018 10-20 12-31-00                          | 2018-10-30 13-33 (  | 567       | Chief                     | 10 MPH                    | DG: Camero-6Fx820 24 (08 74900) 18                                       | NOME               | N/A  |          | VA NO                       |   |                    | N/A                                    | 16/8                            | 2016.11.13               | 76/46                           |  | N/A  | 06) Canses-GPx520 24 (M 7490011)   |   |      |                            |
| is trumpy, inc.                     | LC22 - B ECONODE TWV-ASHW-522 LPT.   | 3018-10-20<br>3018-10-23 | 3018-10-22 12-03-00                          | 3018-10-22 12-02-0  | 42%       | <b>Furtly Cloudy</b>      | 10 MPH                    | OG: Camery-GPu320 24 ID# 749601 LS                                       | NONE               | Florige  |          | NA AC                       |   |                    | N/A                                    | 5/8                             | 2018-10-22               | NA                              | 0.                                     | N/A  | DG/ Camera-GRx520 24 GR 74900112   |   |      |                            |
| e Energy, Inc.                      | KUMMER T8N-863W-523 (62  | 2018-10-22               | 2018 10-27 12:03:00                          | 2018-20-22 12:07:0  | 427       | Fortly Cloudy             | 10 969                    | OG: Camero-GFx820-24 OR 749805 18  | NONE               | PHD - TH CONTUR AGE  |          | 10 10                       |   |                    | 19/4                                   | N/A                             | 2618-19-22               | 16/8                            |  | N/A.   | 06) Carrero-GPx500 24 GW 74906113<br>06) Carrero GPx500 24 GW 74908133     | Invasion thermodynamics completed 40 hour counts in Denvey, CO. Has 5 years of opportunity with Otol survivos.  |      |                            |
| ir Energy, no.                      | COMMENT TO MEDIN SZE UZZ   | 5019-10-22               | 2018-10-22 12:03:00                          | 2018-10-22 12:62 (  | 427       | Partly Cloudy             | 10 18714                  | DG: Camera-Ghib30 34 CM 149601 U   | NOME               | Ville  |          | VA N                        | _                                       |                    | 50.00                                  | N/A                             | 2018-13-13               | 10/4                            |  | 5/4  | DG Carriers-GN330 34 DE 149/807  | Trained thermographer, completed 80-loor course in Deman, CO, max 5 years of experience with our very   |      |                            |
| Copregn, Inc.                       | COMMENT TOWARD WITH SET SET  | 2018-16-22               | 2018 10:22 12:03:40                          | 2018-10-22 12:624   | 427       | Partly Cloudy             |                           | OG: Camera-Ghid20:24 O# 74960:13<br>OG: Camera-Ghid20:24 O# 74960075     | WW.                | 93   |          | WK 10                       | 1 11                                    | 19/16              | 16/8                                   | 16/8                            | N/A                      | No.                             |  | N/A  | 06/ Carrens-GFx320/24/09 7490067   | Second Research their constituted 60 feour course in Demoer, CD, man 5 years of experience with CRU liar even   |      |                            |
| Europe, Inc.                        | LC25, RECOMPOSE TIME 45/9W SUS LIFE  | 2010/01/07/29            | 2018-10-29 13:18:00                          | 2018-10-29-12-014   | 625.4     | Overset                   | 10 Marin                  | OG: Camera-Gris/30 34 O# 74980075  |                    |  |          | N/A N/                      | A NA                                    | R/A                | NA                                     | N/A                             | 4/4                      | NIA                             |  | N/A  | DG/ Carriers-GFs320:34 IDE 7490007   | I consent the recommendate committed 40 hour counts in Demier, CD. Has 5 years of experience with CRS for very  |      |                            |
| Energy, No.                         | LCM SCONDOS TIM-RENN-GRAUSS  | 2019 10-29               | 2018-10-29 12:09:00                          | 2018-10-29 13:201   | 687       | Overcen                   | LMN                       | DG: Camera-GPv6.30.34 (38 14980075                                       | NOME               | 19/8   |          | NA N                        |   |                    | NA                                     | 19/10                           | N/A                      | 10.0                            |  | 5/3  | DGI Carriero-GFv320 24 YM 7490007  | Toward the movement or completed 4th four course in Demier, CD man 5 years of tesperance with the normal  |      |                            |
| Energy, Inc.                        | LARSON AALD FCONDOC TEN-RETWI-519 LIST   | 2018-13-14               | 2019-11-14 (9:19:00)                         | 2018-12-14-25-015   | 247       | Overseit                  |                           | OG: Camero-GPvS20-24 GB 74980075   | NONE               | 16/8   |          | WA N                        |   |                    |  | N/A                             | N/A                      | 10/8                            |  | N/A  | (16) Camera GFs520 24 IDE 7490007  | Trained thermographer; completed 40-hour course in betwee, CO Has 5 years of experience with ONI corners.   |      |                            |
| Energy, Inc.                        | UC13-05 ECOMODE TOW REPW-013 LIFE  | 2018-12-24               | 2018-11-24-99-41-00<br>2018-13-24-10-98-00   | 2018-13-24 (0:17)   | 627       | Partly Cloudy             | 30 METH                   | OS: Camero-GP4520 24 (08 14960079  | 90%                | N/h  |          | N/A N/                      |   |                    |  | 16/16                           | N/A                      | 10/8                            |  | N/A  | Dilli Camera-GPuS20: 24 (De 74900027                                       | Trained thermographer: completed 40-boar course in Senior, CO. Has 5 years of experience with OSI corvery.<br>Trained thermographer, completed 40-boar course in Denior, CO. Has 5 years of experience with OSI corvery.  |      |                            |
| framps, vac.                        | ROHN STATE LOOK ROOMOGE THIS HARRIST SELECT  | 2018 13-24               | 2008-13-24-13 50-00                          | 2018-13-24 11:30  | 427       | Fortly Cloudy             | 15 MPH                    | OS Camero GFs520 34 O# 74560675  | NOTE:              | 16/8   |          | WE N                        |   |                    |  | 10.75                           | 2019-11-29               | NA                              |  | N/A  | Olio Camera -Griciato de Gel Prescont?                                     | Trained Recognition completed 40-hour course in Senser, CO, Has 5 years of expensers with CO correspond   |      |                            |
| Chargo, No.                         | DUS FECTAGOR THIS PERSON LA UTIL   | 2008-12-29               | 2619-17-58 10:36-60                          | 2018-11-29 12-491   | 877       | <b>Hurtly Cloudy</b>      | 35 House                  | OG: Camero-GFeE30 2H OR TREMINETS  | 1076               | Consector  |          | ** *                        |   |                    |  | 19/4                            | 2010-12-02               | No.                             |  | nga.   | 06 Camera-GFs330 24 dai 149.0007<br>06 Camera-GFs320 24 dai 149.0007       | Security Representative consistent 4D foor course in Denter, CO. Has 5 years of experience with Old service.  |      |                            |
| trumps, mr.                         | WALLAND, ON THE 28-A SECURITY TO REPORT TO LITE.   | 300 M 13 - 29            | 2018-13-29 10:56:40                          | 20128-12-29 12-48   | 277       | Perfie Clouds             |                           | 00: Camera-GN-520 24: DW 749900175                                       | 100                | Convertor  |          |                             |   |                    |  | 16/36                           | N/A                      | No.                             |  | N/A  |  | to the state of the control of the state of |      |                            |
| e (surge, let-                      | CHE BOILD THE 28-4 HOURDON TON REAR TON US.  | 2018-12-08               | 2018 13:08 15:08:00                          | 2018 12:06:25:07  | 45.0      | Clear                     | \$ 667m                   | 00: Camero Gini 20 24: CM 14980015<br>00: Camero Gini 20 24: CM 14980015 |                    |  |          | 10 N                        |   |                    | N/A                                    | Note                            | N/A                      | 16/8                            |  | 5/4  |  |   |      |                            |
| is (narrys, rec.<br>in Energy, rec. | SOM TER JOHNSON ERICKSON HIR THRINGS THE LOS   | 2018-12-08               | 3618-12-08 15-25-00                          | 2018-12-08 15-56  | 45.7      | Clear                     | 1 Mari                    | OG: Camero-G/42/2014 OR 1499907  |                    |  |          | N/A N/                      |   |                    |  | 16/46                           | 2018 12-11               | No.                             |  | N/A<br>N/B                                       |  |   |      |                            |
| in transp. no.                      | MCNA, TEX TIES HASHWIRLS LITE  | 2019-12-12               | 2016-12-11 10:52:00                          | 2010-12-12-12-37  | 3811      | Chief                     | 10 9879                   | OG Camero-Grid 20 DK OR TRRRSOTS   | NONE               | 9.9  |          | N/A N                       |   |                    |  | N/S                             | N/A                      | 10.0                            |  | 103  |  |   |      |                            |
| ie franço, inc.                     | WITH TANCH WILLS NAMED STATE AREA SCINCOR TOWNSHIPS  |                          | 2018-12-15 13:55:60                          | 2018-12-12 25 29<br>2018-12-12 25 29                          | 337       | Partir Claudy             | 30 MPW                    | DG-Camero-GhidGD 24 D# 14980675  | S NOW              | 4.4  |          | NA. N                       |   |                    |  | 50                              | N/A                      | 20                              |  | 3/3  | DG Carriero-GPv520 24 DB 7490007   | Strand theregrapher, complicted 40-hour course to benear, CO, may 5 years of expenses with Oto covery.  |      |                            |
| in Shergs, MC.                      | BOX, 10X THE-HOW 507 US  | 2008-12-42               | 2018-12-27 (0:20-00)<br>2018-12-27 (0:20-00) | 36/19-13-52 Jb 53/2   | 9377      |                           |                           | OG/Camera-Ghilt 20 GW 14960075   |                    | 8.0  |          | N/A TO                      | (S) N/A                                 | 16/4               | 76/84                                  | No.                             |                          |                                 | -                                      |  |  |   |      |                            |

| Facility Record No. * (Select from dropdown let - may reed to acred up.) | Identification of Each Affinded Facility * (\$40.5420s(b)(1))  | Date of Survey *<br>(560-5420udb)(2)(1) | Survey Begin Time *<br>(\$60.5420a(b)(7)(k)) | Norvey End Time * (600 5420a(bil 7(ki)) 4(ki) | are of Tempera ure During Survey (950.5420)   1   1   1   1   1   1   1   1   1 | Sky Conditions During Survey * (960.3420e(bil/7)) | Wind<br>Speed<br>During<br>Survey*<br>(\$40.5420<br>what Plant | Monitoring instrument Used * (960.542098)(7)(v))                       | a From<br>Monitoring<br>Plan Ef<br>rone,<br>state<br>some 1 | Type of Component<br>for which Fugitive<br>Environs Detected *<br>(\$60.5420whs(7)(vHS) | Staintber<br>of Each<br>Compone<br>et Type<br>for which<br>Fugitive<br>Second |          | umber Type (Each Dies, impane to 1 Type More Not Compaired in as More | e of Numb<br>out- of Ea<br>builder to-<br>pone Monit<br>is Compo<br>tone at To | ber Type of<br>with Umusto-<br>uith Mismite<br>Compositor of<br>one Mismite<br>one difference<br>of | of Number<br>of Such<br>or Unsafe-to<br>ne Monstor<br>Compone<br>ne et Type<br>Monstore | Date of Successful Repair of<br>Fugitive Emissions Componen<br>(660.5420w(b)(72/c)) | Type of<br>Component Places<br>on Delay<br>of Repair | Number<br>of Each<br>of Compone<br>y at Type<br>or Placed on<br>Delay of<br>Becoor * | Explanation for Delay of Repair * (660.5420a/bit7)(vil) | Type of extrument Used to Resource<br>Repaired Components Not Required<br>During Original Survey *<br>1560-5420s(bit 75)m(s) | Training and Experience of Surveyor * (860.542(big))(7)(kill)  | Wat a<br>monitor<br>g surve<br>mains<br>under<br>60.539 | is if a constraint way a curvey accurate with a curvey wit |
|--|--|---|--|---|---|---|--|--|---|---|---|----------|---|--|---|---|---|--|--|---|--|--|---|--|
| Noble Energy, Inc.   | TRAMERISAN PLATTE VALLEY TIN-RESW-518 (0)<br>DIETRICH TAN-REAW-57 (0)                                    |   | 2019-01-19 12:06:00                          | 2019-01-19 12:49:00                           | 38'F  | Clear   |  | OGr Camera-GFs920 24 IOR 74900075                                      |   | N/A   |   | VA NO    |   | N/A<br>N/A   | N/A<br>N/A  | N/A<br>N/A  | N/A   | N/A  |  | N/A   | OSI Comera-GFx520 24 (3# 74900075  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A<br>N/A   |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | WELLS RANCH AALL SCONODE TON RELW-SLI LOZ  | 2019-01-19                              | 2019-01-19 11 19:00<br>2019-01-20:09:04:00   | 2019-01-19 11-47-00 2019-01-20 09-51-00       | 3076  | Clear<br>Partly Claudy                            |  | OGI Camera-GFx329 24 ID# 74908075<br>OGI Camera-GFx329 24 ID# 74908075 |   | Valve<br>N/A  |   | VA N     |   | N/A  | N/A   | N/A   | 2019-02-03<br>N/A   | N/A  |  | N/A<br>N/A  | OGI Camera-GFx820 24 (08 74900075<br>OGI Camera-GFx820 24 (08 74900075   | Trained thermographer, completed 40-hour course in Derwer, CO. Has 5 years of experience with OGI surveys.<br>Trained thermographer, completed 40-hour course in Derwer, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH AASS ECONODE 16N-R65W-521 L05  | 2019-01-20                              | 2019-01-2011-23:00                           | 2019-01-20 12:43:00                           | 55°F  | Partly Cloudy                                     |  | OG1 Camera-GFx320 24 ION 74900075                                      |   | Valve   |   | era ny   |   | N/A  | N/A   | N/A   | 2019-01-20  | N/A  | 0  | N/A   | OGI Camera-GFx320 24 (3# 74960075  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | CHECKETTS JERKE TAN-RISSW-S15 L01  | 2019-01-20                              | 2019-01-2013:31:00                           | 2019-01-20 14:26:00                           | 55°F  | Partly Cloudy                                     |  | OGI Camera-GFx329 24 ID# 74909075                                      |   | PRD - TH OTHER  |   | MA N/    |   | N/A  | N/A   | N/A   | 2019-01-20  | N/A  |  | N/A   | DG) Comera-GFx320 24 IO# 74500075  |  | N/A   | N/A  |
| Nobie Energy, Inc.<br>Nobie Energy, Inc.                                 | HURLEY H26-13-A ECONDOR TSN-R65W-526 L61<br>MOSER H22 H34 ECONDOR TSN-R65W-527 L61                       | 2019-02-01                              | 2019-02-03 09:24:00                          | 2019-02-01 09:25:00                           | 26"4  | Clear<br>Partly Cloudy                            |  | OGI Camera-GFx320 24 ID# 74900075<br>OGI Camera-GFx320 24 ID# 74900075 |   | N/A   |   | MA NA    |   | N/A  | N/A   | N/A<br>N/A  | N/A<br>N/A  | N/A  |  | N/A<br>N/A  | DGI Comera-GFx820 24 ID# 74900075  | Trained thermographer: completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.<br>Trained thermographer: completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH 8811 ECONODE TSN-R63W-S11 L01  | 2019-02-04                              | 2019-02-0411-10:00                           | 2019-02-04 12:31:00                           | 30°F  | Partly Cloudy                                     |  | DGI Camera-GFx320 24 ID# 74900075                                      |   | Connector   |   | MA NA    |   | N/A  | N/A   | N/A   | 2019-03-04  | N/A  |  | N/A   | OGI Camera-GFx520 24 ID# 74990075  | Trained thermographer, completed 40-hour course in Derver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH 8811 ECONODE 75N-RE3W-511 (0).   | 2019-02-04                              | 2019-02-04 11:10:00                          | 2019-02-04 12:31:00                           | 30°F  | Partly Cloudy                                     | 15 MPH   | OG: Cymera-GFx320:24 :08 74900075                                      | RONE  | Valve   |   | N/A N/A  |   | N/A  | N/A   | N/A   | 2019-02-04  | N/A  |  | N/A   | OGI Camera-GFx320 24 (D# 24900075  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH STATE A36 ECONODE T64-R63W-531 LDL   | 2019-02-04                              | 2019-02-04 12:53:00                          | 2019-02-04 13:45:00                           | 38"F  | Partly Cloudy                                     |  | OG/Camera-GFx320 24 ID# 74900075                                       |   | Valve   |   | N/A N/A  |   | N/A  | N/A   | N/A<br>N/A  | 2019-02-04  | N/A  |  | N/A   | OGI Camera-GFx320 24 ID# 74500075  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Nobie Energy, Inc.<br>Nobie Energy, Inc.                                 | 70 RANCH STATE BELT ECONODE TSN-R6EW-S17 L01<br>LD28 GREYSON-BRECKEN TSN-R5EW-S28 L01                    | 2019-02-05<br>2019-02-19                | 2019-02-05 13:24:00<br>2019-02-19:08:33:00   | 2019-02-05 13-24-90 2019-02-19 12-02-00       | 36°F  | Partly Cloudy<br>Snow                             |  | OGI Camera-GFx320 24 ID8 74908075<br>OGI Camera-GFx320 24 ID8 74908075 |   | N/A<br>PRO- TH DTHER  |   | MA NA    |   | N/A  | N/A<br>N/A  | N/A   | N/A<br>2019-02-19   | N/A<br>N/A   |  | N/A   | OGI Camera-GFx320.24 ID# 74900075<br>OGI Camera-GFx820.24 ID# 74900075   | Trained thermographer, completed 40-hour course in Denver, CO. Had 5 years of experience with OGI surveys.<br>Trained thermographer, completed 40-hour course in Denver, CO. Had 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | LO28 GREYSON BRECKEN TON-958W-528 LO1  | 2019-02-19                              | 2019-02-19-08-18:00                          | 2019-02-19 12:02:00                           | 13.4  | Snow  |  | OGI Camera-GFx320 24 (D# 74900075                                      |   | Valve   | 10  | VA N     |   | N/A  | N/A   | N/A   | 2019-02-19  | N/A  |  | N/A   | OGI Camero-GFx320 24 IO# 74990075  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | M/A   | N/A  |
| Noble Energy, Inc.   | LD28 GREYSON-BRECKEN TRN-RSBW-528 L01  | 2019-02-19                              | 2019-02-19 08:33:00                          | 2019-02-19 12-02-00                           | 3.3"F   | Snow  |  | OGI Camera-GFx320 24 ID# 74900075                                      |   | Valve   | -   | N/A N/A  |   | N/A  | N/A   | N/A   | 2019-02-27  | N/A  | -  | N/A   | DGI Camera-GFx320 24 ID# 74900075  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | LD22-A (CONOCE T9N-R58W-S22 L01<br>LAPP A13 ECONODE T6N-R64W-S13 L01                                     | 2019-02-19<br>2019-02-21                | 2019-02-19 12:11:00 2019-02-21:07:45:00      | 2019-02-19 18:32:00 2019-02-21 08:28:00       | 15.h  | Snow<br>Partly Cloudy                             |  | OGI Camera-GFx320 24 ID# 74900075<br>OGI Camera-GFx320 24 ID# 74900113 |   | N/A   |   | MA NO    |   | N/A  | N/A   | N/A<br>N/A  | N/A<br>2019-02-21   | N/A  |  | N/A   | OGI Camera-GFx320 24 ID# 74900075  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.<br>Trained thermographer, completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.   | LAPP ATT ECONODE TEN-HERW-513 LOT  | 2019-02-21                              | 2019-02-21 07:45:00                          | 2019-02-2118:28:00                            | 2.7"F   | Partly Cloudy                                     |  | OG/Camera-GFx320 24 ID# 74900[13                                       |   | Valve   |   | VA N/    |   | N/A  | N/A   | N/A   | 2019-02-21  | N/A  |  | N/A   | OGI Camera-GFx320 24 ID# 74900113  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI juryeys.  Trained thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI juryeys.   | N/A   | N/A  |
| Noble Energy, Inc.   | LC22 - A ECONDOE T9N-R58W-522 LD1  |   | 2019-02-21 09:41:00                          | 2019-02-21 11-18-00                           | 24°F  | Partly Cloudy                                     |  | OGI Camera-GFx320 24 ID# 74900113                                      |   | Valve   |   | MA NA    |   | N/A  | N/A   | N/A   | 2019-03-09  | N/A  |  | N/A.  | OGI Camera-GFx820 24 ID# 74900113  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.   | LC22 - B ECONODE T9N-RS9W-S22 L01  | 2019-02-21                              | 2019-02-21 11:46:00                          | 2019-02-21 12:34:90                           | 27"+  | Partly Cloudy                                     |  | OGI Camera-GFx320 24 ID6 74900113                                      |   | N/A   |   | NA NA    |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A   | OGI Camera-GFx320 24 ID# 74900113  |  | NA  | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | G35 CENTENNIAL STATE ECONDOE TAN RESW-535 L01<br>SHUFLY STATE Y34-16-A ECONDOE T2N RE4W-534 L01          | 2019-03-05<br>2019-03-06                | 2019-03-05 11 47:00<br>2019-03-06:09-44:00   | 2019-03-05 13:41:00<br>2019-03-06 10:08:00    | 38.4  | Clear<br>Partly Cloudy                            |  | OGI Camera-GFx320 24 ID# 74900075<br>OGI Camera-GFx320 34 ID# 74900075 |   | PRD - TH OTHER<br>Value   |   | era niji |   | N/A  | N/A   | N/A<br>N/A  | 2019-03-05<br>2019-08-21  | N/A  |  | N/A<br>N/A  | OGI Camera-GFx820 24 ID# 74900075<br>DGI Camera-GFx820 24 ID# 74900075   | Trained thermographer; completed 40-hour course in Denver, CO, Has 5 years of experience with OGI surveys.<br>Trained thermographer; completed 40-hour course in Denver, CO, Has 5 years of experience with OGI surveys.   | N/A<br>N/A  | N/A  |
| Noble Energy, Inc.   | Y11 WASTE MANAGEMENT ECONODE T2N-R64W-511101   | 2019-03-06                              | 2019-03-06-09-44-00                          | 2019-03-06 13:49:00                           | 33°F  | Partly Cloudy<br>Partly Cloudy                    |  | OGI Camera-GFx320 24 ID# 74900075                                      |   | Connector   |   | VA NA    |   | N/A  | N/A   | N/A   | 2019-08-21  | N/A  |  | N/A   | OGI Camera-GFx820 24 ID# 74900075<br>OGI Camera-GFx820 24 ID# 74900075   |  | N/A   | N/A  |
| Nobie Energy, Inc.   | EMMY STATE H25-14-A T3N-R63W-S25 L01   | 2019-03-07                              | 2019-03-0711:39:00                           | 2029-03-07 12:24:00                           | 30°F  | Overcast  |  | OGI Camera-GFx320 24 IO# 74900075                                      |   | N/A   |   | e/a N/   |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A   | OGI Camera-GPx320 24 IO# 74500075  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | NA  | N/A  |
| Noble Energy, Inc.   | HARPER-KONA AZ1 ECONDOE TSN-R64W-521 L03   | 3019-03-06                              | 2019-03-08 07:51:00                          | 2019-03-08-08:40:00                           | 27°F  | Clear   |  | OG/Camera-GFx320 24 /3# 74900113                                       |   | N/A   |   | N/A N/   |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A   |  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | NA  | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | SHADOW AA30 ECONODE T9N-RESW-580 L01<br>SHADOW AA30 ECONODE T9N-RESW-580 L01                             | 2019-03-08<br>2019-03-08                | 2015-03-08 (9:09:00                          | 2019-03-08 10:14:00                           | 34.2  | Partly Cloudy<br>Partly Cloudy                    |  | OGI Camera-GFx820 24 lD8 74900118<br>OGI Camera-GFx820 24 lD8 74900118 |   | Connector   |   | era ner  |   | N/A  | N/A   | N/A   | 2019-08-08  | N/A  |  | N/A<br>N/A  | OGI Camera-GFx320 24 ID# 74900113<br>OGI Camera-GFx320 24 ID# 74900113   | Trained thermographer; completed 40-hour course in Deriver, CO. Has 5.75 years of experience with OGI surveys.<br>Trained thermographer; completed 40-hour course in Deriver, CO. Has 5.75 years of experience with OGI surveys.   | N/A<br>N/A  | N/A  |
| Noble Energy, Inc.   | AGGIE-COLT AA:7 FCONDOX TEN-RESW-527 (0)   | 2019-03-08                              | 2019-03-08 10:28:00                          | 2019-03-08 11-50-00                           | 45°F  | Partly Cloudy                                     |  | OGI Camera-GPx320 24 (0# 74900113                                      |   | Connector   |   | WA NO    |   | N/A  | N/A   | N/A   | 2019-03-08  | N/A  |  | N/A   | OG: Camera-GFv820 24 IO# 74900113  | Traited thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.   | AGGIE-COLT AA17 ECONODE TEN-RISW-517 L01   | 2019-03-08                              | 2019-03-08 10:28:00                          | 2019-03-08 11:50:00                           | 45°F  | Partly Cloudy                                     | 4 MPH  | OG/Camera-GFx320 24 (06 74900113                                       | NONE  | Valve   | 1 1   | VA N/    | A N/A   | 14/4   | N/A   | N/A   | 2019-03-08  | N/A  | 0  | N/A   | OGI Camera-GFx320 24 ID# 74900113  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.   | AGGIE-COLT AA17 ECONODE TEN-REEW-S17 LET   | 2019-03-08                              | 2019-03-08 10:28:00                          | 2019-03-08 11:50:00                           | 45°F  | Partly Cloudy                                     |  | OGI Camera-GFx320 24 iD# 74900113                                      |   | Valve   |   | WA N/    |   | 36/4   | N/A   | N/A   | 2019-03-21  | R/A  |  | N/A   | OGI Camero-GFx820 24 ID# 74900113  | Trained thermographer; completed 40-hour course in Deriver, CO. Has 5.75 years of experience with OSI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | CROW CREEK ST AC36 & AA01 (CONDDE T7N 463W-536 L01<br>CROW CREEK ST AC36 & AA01 (CONDDE T7N-863W-536 L01 | 2019-03-08<br>2019-03-08                | 2019-03-08 12:06:00<br>2019-03-08 12:06:00   | 2019-03-08 13-16-00 2019-03-08 13-16-00       | 46.k  | Partily Cloudy<br>Partily Cloudy                  |  | OGI Camera-GFx820 24 ID# 74900118<br>OGI Camera-GFx820 24 ID# 74900113 |   | Connector   |   | UA NO    |   | N/A  | N/A<br>N/A  | N/A<br>N/A  | 2019-03-08 2019-03-21   | N/A  |  | N/A<br>N/A  | OGI Camera-GFx320 24 ID8 74900113<br>OGI Camera-GFx320 24 ID8 74900113   | Trained thermographer, completed 40-hour course in Derver, CO. Has 5.75 years of experience with OGI surveys.<br>Trained thermographer, completed 40-hour course in Derver, CO. Has 5.75 years of experience with OGI surveys.   | N/A<br>N/A  | 76/A   |
| Noble Energy, Inc.   | CROW CREEK ST AC36 & AA01 FCONDOE T7N-R63W-S36 L01   | 2019-03-08                              | 2019-03-06 12:06:00                          | 2019-03-08 13-16:00                           | 49°F  | Partly Cloudy                                     |  | OGI Camera-GFx320 24 ID# 74900113                                      |   | Valve   |   | UA NO    |   | N/A  | N/A   | N/A   | 2019-03-21  | N/A  |  | N/A   | OSI Camera-GF-920 24 DR 74900113   |  | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH AAZS ECONODE TEN RESW-523 LDS  | 2029-04-04                              | 2019-04-04 10:05:00                          | 2019-04-04 10:32:00                           | 44°F  | Partly Cloudy                                     |  | OG1Camera-GFx320 24 IO# 74900075                                       |   | N/A   |   | UA NA    |   | N/A  | N/A   | N/A   | N/A   | N/A  | 0  | NA  | OG: Camera-GFx320.24 (24 74900075  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | LCS4 ECONODE T9N-RS9W-S34 L01  | 2019-04-04                              | 2019-04-04 09:30:00                          | 2019-04-04 10:34:00                           | 52°F  | Clear   |  | DGI Camers-GFx320 24 (0# 74900)13                                      |   | N/A   |   | N/A N/A  |   |  | N/A   | N/A   | N/A   | N/A  | 0  | N/A   | OG: Camera-GFx520 24 Die 74900113  |  | N/A   | N/A  |
| Noble Energy, Inc.   | LC25 ECONODE T9N-R5/9W-S25 LD1<br>WELLS RANCH STATE BB03 ECONODE T3N-R69W-S3 LD1                         | 2019-04-04<br>2019-04-04                | 2015-04-04 10:44:00<br>2015-04-04 11:08:00   | 2019-04-04 11 58:00 2019-04-04 12 22:00       | 67"   | Clear<br>Partly Cloudy                            |  | OGI Camera-GFx820 24 ID# 74900118<br>OGI Camera-GFx820 24 ID# 74900075 |   | Connector   |   | ua no    |   | N/A  | N/A<br>N/A  | N/A   | 2019-04-13  | N/A  |  | N/A<br>N/A  | OGI Camera-GFx320 24 ID# 74900113<br>OGI Camera-GFx320 24 ID# 74900075   | Trained thermographer, completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.<br>Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.  | N/A<br>N/A  | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | EUMMER TEN RESW 523 102  | 2019-04-04                              | 2019-04-04 11:08:00                          | 2019-04-04 14:13:00                           | 55°F  | Clear   |  | OGI Camera-GFx520 24 ID# 74900075<br>OGI Camera-GFx320 34 ID# 74900113 |   | Connector   |   | NA NA    |   | N/A  | N/A   | N/A   | 2019-04-13  | N/A  |  | N/A   | OGI Camera-GPx320 24 IDR 74900075<br>OGI Camera-GPx320 24 IDR 74900113   |  | N/A   | N/A  |
| Noble Energy, Inc.   | KUMMER TBN-661W-623 L02  | 2019-04-04                              | 2019-04-04 13:06:00                          | 2019-04-04 14:13:00                           | 62°F  | Clear   |  | OG: Camera-GFx820 24 (34 74900)13                                      |   | Valve   |   | VA NO    |   | N/A  | N/A   | N/A   | 2019-04-13  | N/A  |  | N/A   | OG: Camera-G/x320 24 (3# 74900113  |  | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH AEBZ ECONODE 16N-R62W-532 L01  | 2019-04-04                              | 2019-04-04 12:58:00                          | 2019-04-04 14:54:00                           | 62°F  | Partly Cloudy                                     |  | OGI Camera-GFk320 24 (0# 74900075                                      |   | Connector   |   | WA N/    |   | MILE   | N/A   | TN/A  | 2019-04-04  | N/A  | 0  | N/A   | OGI Camera-GFx320 24 DN 74900075   | Trained thermographer, completed 40-hour course in Denier, CD. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | WELLS RANCH ALEZ ECONODE TWN REZW-532 LDS<br>WELLS RANCH ALEZ ECONODE TWN REZW-532 LDS                   | 2019-04-04                              | 2019-04-04 12:58:00 2015-04-04 12:58:00      | 2019-04-04 14:54:00                           | 62"4  | Partly Cloudy<br>Partly Cloudy                    |  | OGI Camera-GPx320 24 IO# 74900075                                      |   | Connector   | -   | UA NO    | -   | N/A  | N/A   | N/A   | 2019-04-13  | N/A  | -  | N/A   | OG: Carnera GFx320 24 (De 74900075   | Trained thermographer, completed 40 hour course in Denier, CO. Has 5 years of experience with OGI surveys.  Trained thermographer, completed 40-hour course in Denier, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | DILLARD SHABLE USX T7N-R64W-S12 L01  | 2019-04-05                              | 2019-04-05 09-15-00                          | 2019-04-05 11-36-00                           | 62°F  | Partly Cloudy<br>Partly Cloudy                    |  | OG: Camera-GFx320 24 (08 74900075<br>OG: Camera-GFx820 24 (08 74900113 |   | Seal<br>Connector   |   | UA NO    |   | N/A  | N/A   | N/A<br>N/A  | 2019-04-13  | N/A  |  | N/A<br>N/A  |  | "rained thermographer, completed 40-hour course in Denver, CO. Has 5 years or expension with COI surveys.  "rained thermographer, completed 40-hour course in Denver, CO. Has 5.75 years of experience with OOI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | DILLARD SHABLE USK T7N-R64W-515 L01  | 2019-04-05                              | 2019-04-05 09:15:00                          | 2019-04-05 11 36:00                           | 52°F  | Partly Cloudy                                     |  | OGI Camera-GFx320 24 (04 74960113                                      |   | Valve   |   | WA NO    |   | 16/A   | N/A   | N/A   | 2019-04-04  | N/A  |  | N/A   | OG: Camera-GFx320 24 (D#74900113   | Trained thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OSI surveys   | N/A   | N/A  |
| and the same of the same   | DILLARD SHABLE USX T7N-R6PW-S13 L01  |   | 2019-04-05-09:15:00                          | 2019-04-05 11:36:00                           | 52°F  | Partly Cloudy                                     |  | OGI Camera-GFx320 24 (08 74900113)                                     |   | Valve   | -   | WA N/    | -   | N/A  | N/A   | N/A   | 2019-04-13  | N/A  |  | N/A   | OGI Camera-GFx520 24 DW 74900113   | the state of the s | N/A   | N/A  |
| Nobie Energy, Inc.   | DILLARD SHARL F USX T7N-H64W-511 L01<br>DILLARD SHARL F USX T7N-H64W-511 L01                             | 2019-04-05<br>2019-04-05                | 2019-04-05 09:15:00<br>2019-04-05:09:15:00   | 2019-04-05 11:36:00 2019-04-05 11:36:00       | 52"#  | Partly Cloudy<br>Partly Cloudy                    |  | 00/ Camera-GFx320 24 (0# 74900)13                                      |   | PRO-PRY   |   | NA NO    |   | N/A  | N/A   | N/A   | 2019-04-05  | N/A  |  | N/A<br>N/A  |  | Trained thermographer; completed 40-hour course in Denvir, CO. Has 5.75 years of exportance with OO surveys.   | N/A<br>N/A  | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | LD19-16-8COMDOR TIM-RSEW-519-L01   |   | 2019-04-05-09-15-00                          | 2019-04-05 11:36:00                           | 52°F  | Clear   |  | OGI Camero-GFx020 24 IDE 74900113<br>OGI Camero-GFx020 34 IDE 74900113 |   | PRO- TH CENTER ASSE   |   | E/A NO   |   | N/A  | N/A   | N/A   | 2019-04-05  | N/A  |  | N/A   | OG: Camera-GFs320 24 DR 74900113   | Trained thermographer, completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.<br>Trained thermographer, completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | LC24-6 FC0N006 T9N-R59W-524 L01  | 2019-04-09                              | 2019-04-09-09:13:00                          | 2019-04-05 10:42:00                           | 53*F  | Partly Cloudy                                     |  | OG/ Camera-GFx320 24 10# 74900113                                      |   | Connector   |   | VA NO    |   | N/A  | N/A   | N/A   | 2019-05-03  | N/A  |  | N/A   |  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.   | LC24-6 ECONODE T914-R59W-S24 L01   | 2019-04-09                              | 2019-04-09-09:13:00                          | 2019-04-09 30:42:00                           | 53°F  | Partly Cloudy                                     |  | OGI Camera-GPx830 34 IO# 74900118                                      |   | Valve   |   | N/A N/I  |   | 16/4   | N/A   | N/A   | 2019-05-05  | N/A  |  | N/A   | OG: Camera-GFx320 24 O# 74900113   | Trained thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.   | CC34-6 ECONODE T9N-R58W-534 L01<br>ROHN STATE LD84 ECONODE T9N-R58W-54 L01                               | 2019-04-09                              | 2019-04-09-09-13-00                          | 2019-04-09 30:42:00                           | 53°F  | Partly Cloudy                                     |  | OSI Camera-GFx320 24 (38 74980113                                      |   | PRO - TH CENTER ASSE  |   | VA N/    |   | N/A  | N/A   | N/A   | 2019-04-09  | N/A  |  | N/A   | OG: Camera-GFx320 24 (08 74900113<br>OG: Camera-GFx320 24 (08 74900113   |  | N/A   | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | LDDS ECONODE TRIN-RSIW-S4 LDS  | 2019-04-09                              | 2019-04-09 11:06:00 2019-04-09 12:26:00      | 2019-04-09 12:15:00 2019-04-09 12:29:00       | 70"   | Partily Cloudy<br>Partily Cloudy                  |  | OGI Camera-GN/320 24 (08 74900)13<br>OGI Camera-GN/320 24 (08 74900)13 |   | Connector<br>N/A  |   | UA NO    |   | N/A  | N/A<br>N/A  | N/A   | 2/19-04-09<br>N/A   | N/A  |  | N/A<br>N/A  | OG: Camera-Gra320 24 OB 74900113<br>OG: Camera-Gra320 24 OB 74900113   | Trained thermographer, completed 40-hour course in Denier, CO. Has 5.75 years of expensions with OOI surveys.<br>Trained thermographer, completed 40-hour course in Denier, CO. Has 5.75 years of expensions with OOI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | (C11-15 ECONDOE 79%-R63W-521 (81   | 2019-04-09                              | 2015-04-09-12:46:00                          | 2019-04-09 14:08:00                           | 76"   | Partly Cloudy                                     |  | OGI Camera-GFx320 24 (0# 74900113                                      |   | N/A   |   | VA N/    |   | 16/A   | N/A   | N/A   | N/A   | N/A  |  | N/A   |  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5.75 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH/WELLS RANCH STATE AFOR ECONODE TSN-ABJW-SI   |   | 2019-04-12 09:09:00                          | 2019-04-12 10:48:00                           | 28"#  | Overcast  |  | 0GI Camera-GFx320 24 IOB 74900075                                      |   | Connector   |   | VA NO    |   | N/A  | N/A   | 14/4  | 2019-04-12  | N/A  |  | N/A   | OGI Camera-GF+320 24 O# 74900075   |  | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH/WELLS RANCH STATE AF08 ECONODE TSN-R62W-SI<br>WELLS RANCH BR01 AF05 ECONODE TSN-R63W-S1 L01  |   | 2019-04-12 09:09:00                          | 2019-04-12 10-48:00                           | 28'F  | Overtast  |  |  | NONE  | Valve   |   | WA NO    |   | N/A  | N/A   | 16/A  | 2019-04-12 2019-04-12   | N/A  |  | N/A   | OG: Camera-GFx320 24 ID8 74900075  | Trained thermographer, completed 40-hour course in Desum, CO. Has 5 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | WELLS RANCH BROL APOS ECONDOCT THE RESIDENCE (CL   | 2019-04-12                              | 2019-04-12 11:29:00 2019-04-12 11:29:00      | 2019-04-12 13:08:00 2019-04-12 13:08:00       | 35°F  | Overcast<br>Overcast                              |  | OGI Camera-GFx820 24 IO# 74900075<br>OGI Camera-GFx820 24 IO# 74900075 |   | Connector   |   | VA NO    |   | N/A  | N/A   | N/A   | 2019-04-12  | N/A  |  | N/A   | OG: Camera-GFx320 24 IDR 74900075<br>OG: Camera-GFx320 24 IDR 74900075   | Trained thermographer, completed 40-hour course is Denier, CO. Has 5 years of experience with OGI surveys.  Trained thermographer, completed 40-hour course in Denier, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH 8801 AFOS ECONDOE TSN-R63W-51 LDS  | 2019-04-12                              | 2019-04-12 11:29:00                          | 2019-04-12 13:08:00                           | 85°F  | Overtast  |  | OG/ Camera-GPx820 24 (0# 74900075                                      |   | Seal  |   | WA NO    | -   | N/A  | N/A   | N/A   | 2019-04-28  | N/A  | -  | N/A   | OGI Camera-GFx320 24 ID# 74900075  |  | N/A   | TA/A   |
| Noble Energy, Inc.   | BOULTER TAN-RISW-S11 LIES  | 2019-04-13                              | 2019-04-13 14:14:00                          | 2019-04-13 14:42:00                           | 40"F  | Overcast  | 10 MPH   | OG/ Camera-GPx320 24 IO# 74980075                                      | NONE  | N/A   | 0 9   | NA NA    | A N/A   | N/A  | N/A   | N/A   | N/A   | N/A  | 0  | N/A   | OGI Camera-GFs320 24 IDR 74900075  | "runned thermographer, completed 40-hour course in Deniver, CO. Has 5 years of experience with OGI surveys.  | N/A   | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | WELLS RANCH AE20 ECONDOR 16N R62W-520 L01<br>HULLARAL OD Y36-28-A ECONDOR T2N 864W 516 L01               | 2019-04-28                              | 2015-04-28 15:17:00 2015-04-29:08 21:00      | 2019-04-28 15:43:00                           | 79"   | Overcast  |  | OG: Camera-GFx320 24 10# 74900075<br>OG: Camera-GFx320 24 10# 74900075 |   | N/A   |   | VA NO    |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A<br>N/A  | OG/ Camera-GFx320 24 ID8 74900075<br>OG/ Camera-GFx320 28 ID8 74900075   |  | N/A<br>N/A  | N/A  |
| Noble Energy, Inc.   | LEE BOIKD T4N-865W-515 L01   | 2019-04-29                              | 2019-04-29 15:03:00                          | 2019-04-29 15:19:00                           | 37%   | Overcast  |  | OGI Camera-GFx320 24 IO# 74900075                                      |   | N/A   |   | MA NO    |   | N/A  | N/A   | 16/4  | N/A   | N/A  |  | N/A   | OGI Camera-GFs320 24 IDR 74900075  |  | N/A   | N/A  |
| Nobio Finergy, Inc.  | BOULTER TAN-RISW-S14 LDB   | 2019-04-29                              | 2019-04-29 15: 28:00                         | 2019-04-29 25:56:00                           | 97°F  | Overcast  |  | OGI Camera-GFx320 24 IO# 74900075                                      |   | N/S   |   | VA N/    |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A   | OGI Camera-GFx320 24 IQ# 74900075  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5 years of experience with DGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH AA25 & 26 ECONODE T6N-R63W-S25 L0T.  |   | 2019-05-01 14:42:00                          | 2019-05-01 15:44:00                           | SC*F  | Overcast  |  | OGI Camers-GFx320:24 10# 74900075                                      |   | N/A   |   | VA N     |   | 16/A   | N/A   | NL/A  | N/A   | N/A  |  | N/A   | OGi Camera-GFx320 24 ID8 74900075  |  | N/A   | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | INDEPENDENCE 019-01-A T3N-R64W-519-L01<br>DOROTHY STATE LG01-16 ECONDOC T8N-R59W-54-L01                  | 2019-03-16                              | 2019-03-1613:06:00 2019-05-17:10:47:00       | 2019-09-16 15:41:00 2019-05-17 12:01:00       | 83"   | Overcast  |  | OGI Camera-GFx520 24 IQ# 74900075<br>OGI Camera-GFx520 24 IQ# 74900113 |   | N/A   |   | VA NO    |   | N/A  | N/A   | N/A   | N/A<br>N/A  | N/A  |  | N/A<br>N/A  | OGI Camera-GFx320 24 ID# 74900075<br>OGI Camera-GFx820 24 ID# 74900113   | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.<br>Trained thermographer; completed 40-hour course in Derver, CO. Has 5.75 years of experience with OGI surveys.  | N/A<br>N/A  | N/A  |
| Noble Energy, inc.   | LARSON AA19 ECONOOF TEN-RESW-S191,01   |   | 2019-05-17 12:47:00                          | 2019-05-17 13:51:00                           | 27'6  | Clear   |  | OGI Camera-GFx820 34 ID# 74900;13                                      |   | N/A   |   | VA N/    |   | 70/4   | N/A   | 76/A  | N/A   | N/A  |  | N/A   | OG: Camera-GFx320 24:08 74900113   |  | N/A   | N/A  |
| Noble Energy, inc.   | OSCAR Y10 ECONDOE T2N-864W-530 L03   | 2019-03-23                              | 2019-05-23 09:04:00                          | 2019-05-23 10:27:00                           | 43"   | Overcast.   |  | OG/ Camera-GFx329 24 /D# 74900075                                      |   | Connector   |   | VA NO    |   | N/A  | N/A   | N/A   | 2019-06-08  | N/A  |  | N/A   | OG: Camera-GFs320 24 IDR 74900075  |  | N/A   | N/A  |
| Noble Energy, Inc.   | OSCAR Y10 ECONDOE T2N-R64W-610 L01   | 2019-05-23                              | 2019-05-23 09:04:00                          | 2019-05-23 30:27:00                           | 43.1t   | Overcast  |  | OG1 Camera-GFx320 24 ID# 74900075                                      |   | Seal  |   | VA N/    |   | N/A  | N/A   | N/A   | 2019-06-08  | N/A  |  | N/A   | OGI Camera-GFx320 24 IDR 74900075  | Trained thermographer, completed 40-hour course in Denvey, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | OSCAR Y10 ECONODE T2N-R64W-S10 L02<br>ROULTER JOHNSON ERICKSON HIBR T4N-R64W-S10 L01                     |   | 2019-05-23 10:40:00 2019-05-24 14:15:00      | 2019-05-23 11:24:00 2019-05-24 14:16:00       | 43°F  | Overcast  |  | OGI Camera-GFx325 24 ID# 74900075<br>OGI Camera-GFx320 24 ID# 74900075 |   | N/A<br>N/A  |   | VA N/    |   | N/A  | N/A   | N/A   | N/A   | N/A  | -  | N/A<br>N/A  | OGI Camera-GFx320 24 ID8 74900075<br>OGI Camera-GFx320 24 ID8 74900075   | Trained thermographer, completed 46-hour course in Denver, CO. Has 5 years of experience with OGI surveys.  Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A<br>N/A  | N/A  |
| Noble Energy, Inc.<br>Noble Energy, Inc.                                 | BOULTER JOHNSON ERICKSON HBR 14N-R64W-520 L03<br>JOHNSON TAN-R65W-512 L03                                | 2019-05-24                              | 2019-05-24 14:15:00<br>2019-05-24 14:52:00   | 2019-05-24 14:16:00                           | 72'5  | Clear   |  | OGI Camera-GPx320 24 IO# 74900075<br>OGI Camera-GPx320 24 IO# 74900075 |   | N/A   |   | VA N/    |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A<br>N/A  | OGI Camera-GFs320 24 ID# 74900075<br>OGI Camera-GFs320 24 ID# 74900075   |  | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH BB11 ECONODE TSN-863W-S11 (01  | 2019-06-06                              | 2019-06-06 10-26:00                          | 2019-06-06 10:52:00                           | 73'6  | Clear   |  | OGI Camera-GFk820 24 ID# 74900075                                      |   | N/A   |   | VA N/    |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A   | OGI Camera-GFx320 24 DA 74900075   |  | N/A   | NA   |
| Noble Energy, Inc.   |  |   | 2019-06-23 10:05:00                          | 2019-06-23 20:58:00                           | 57°F  | Partly Cloudy                                     |  | OGI Camera-GFx520 24 ID# 74900075                                      |   | N/A   |   | VA N/    |   | N/A  | N/A   | N/A   | N/A   | N/A  |  | N/A   |  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | TIMMERMAN PLATTE VALLEY TAN-RESW-513 LES   | 2019-07-07                              | 2019-07-07-08-59-00                          | 2019-07-07 30-28-00                           | 62°F  | Partly Cloudy                                     |  | OG/Camera-GFx320 24 ID# 74900075                                       |   | PRO - TH OTHER  |   | VA N/    |   | N/A  | N/A   | N/A   | 2019-07-07  | N/A  |  | N/A   | OGI Camera-GFx320 24 ID8 74900075  |  | N/A   | N/A  |
| lioble Energy, Inc.<br>lioble Energy, Inc.                               | SHUFLY STATE Y34-16-A ECONDOE T2N R64W-534 L01<br>CHECKETTS JERKE T4N-865W-525 L01                       | 2019-07-07                              | 2019-07-07 11:20:00 2019-07-07 12:57:00      | 2019-07-07 12:11:00 2019-07-07 13:58:00       | 81'5  | Partly Cloudy<br>Partly Cloudy                    |  | OGI Camera-GPx820 24 IDR 74900075<br>DGI Camera-GFx820 24 IDR 74900075 |   | N/A<br>PRD - TH OTHER   |   | VA NO    |   | N/A  | N/A<br>N/A  | N/A   | N/A<br>2019-07-07   | N/A  |  | N/A<br>N/A  |  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.<br>Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A<br>N/A  | N/A  |
|  | G35 CENTENNIAL STATE ECONODE 14N-965W-535 L01  |   | 2019-07-08 08:58:00                          | 2019-07-08 11:11:00                           | 50.k  | Clear   |  | OGI Camera-GFx820 24 ID# 74900075                                      |   | Connector   |   | VA NA    |   | N/A  | N/A   | N/A   | 2019-07-11  | N/A  |  | N/A   |  | Trained thermographer, completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, tnc.   | GBS CENTENNIAL STATE ECONDOR T4N-R65W-535 L01  | 2019-07-08                              | 2019-07-08:08:58:00                          | 2019-07-08 31:11:00                           | 20°F  | Clear   | 5 MPH  | OGI Camera-GFx320 24 ID# 74900075                                      | NONE  | PRO - PRY   |   | VA N/    | A N/A   | N/A  | N/A   | N/A   | 2019-07-08  | N/A  |  | N/A   |  | Trained thermographer; completed 40-hour course in Denver, CD. Has 5 years of experience with DGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | 70 RANCH STATE 8817 ECONDDE TSN-RG3W-S17 L01   | 2019-07-71                              | 2019-07-21:09:52:00                          | 2019-07-21 30:23:00                           | 72*6  | Overcast  |  | OGI Camera-GFx320 24 (D# 74900075                                      |   | N/A   |   | VA N/    |   |  | N/A   | N/A   | N/A   | N/A  |  | N/A   |  | Trained thermographer, completed 46-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |
| Noble Energy, Inc.   | WELLS RANCH AA11 ECONODE TON-REEW-511 LOI  | 2019-07-21                              | 2019-07-2111:20:00                           | 2019-07-21 12:36:00                           | 80°F  | Partly Cloudy                                     | 5 MPH  | OGI Camera-GPx8.20 24 IO# 74900075                                     | NONE  | N/A   | 0 1   | VA N/    | A N/A   | N/A  | N/A   | N/A   | N/A   | N/A  | 0  | N/A   | OGI Camera-GFx320 24 ID# 74900075  | Trained thermographer; completed 40-hour course in Denver, CO. Has 5 years of experience with OGI surveys.   | N/A   | N/A  |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iii) of this section in all annual reports:

|  |                   | ates that the corresponding field is require  | ed.   |   |                               | Pneumatic Pumps Previo                             | usly Reported that have a Change in Reported Condition During the                  | e Reporting Period   |  |
|--|-------------------|---|---|---|-------------------------------|--|--|--|--|
| Facility Record No.  (Select from dropdown list-may need to scroll up) |                   | Was the pneumatic pump constructed,<br>modified, or reconstructed during the<br>reporting period? *<br>(§60.5420a(b)(8)(i)) | Which condition does the                                  | If your route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. *  (§60.5420a(b)(8)(i)(C)) | Identification of Each Pump * | Date Previously Reported*<br>(§60.5420a(b)(8)(ii)) | Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(ii))              | If you now route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. *  (§60.5420a(b)(8)(ii) and §60.5420a(b)(8)(i)(C)) | Records of deviations where the pneumatic puri |
|  | e.g.: Pump 12-e-2 | e.g.: modified  | e.g.: Emissions are routed to a control device or process | e.g.: 90%   | e.g.: Pump 12-e-2             | e.g.: 10/15/17                                     | e.g.: Control device/process removed and technically infeasible to route elsewhere | e.g.: 90%  | e.g.: deviation of the CVS inspections         |

Noble Energy, Inc. Not applicable. Noble Energy, Inc. did not operate any pneumatic pump affected facilities at its assets in Weld County, CO during the August 2, 2018 through August 1, 2019 reporting period.